



The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

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JANUARY 16, 1943

Annual Subscription (with
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GAS PRODUCERS
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HELP THE NATION ... STABILISE SUPPLIES

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Our Output of

Euthymol **TOOTH PASTE**

is strictly controlled !

Consequently, the present abnormally increased demand for this line (far in excess of our controlled output) compels us, in turn, to ration supplies to the trade.

We are endeavouring to distribute our limited production as fairly as possible, taking into account any fluctuations in population, or local variations in purchasing power of the public.

We believe that, so far, every pharmacist buying Euthymol Tooth Paste direct from us has received at least as much as he did in 1939.

WE do not wish to increase our correspondence unduly, but any pharmacist who has reasonable grounds for feeling that he may not have been equitably treated in this matter is invited to report to us.

PARKE, DAVIS & CO.
50 Beak St., London, W.1
Inc. U.S.A., Liability Ltd.

Milton' Bulletin No. 10

Now available !

'MILTON' BONUS PARCELS

Fixed Bonus parcels of all 'Milton' products are available in assortments of case lots. They show good margins of profit because there are display allowances of 5/- on £2 parcels and 14/- on £5 parcels. These are examples of parcels available for *immediate dispatch* complete:—

£5 BONUS PARCELS

	£	s.	d.
11 doz. 8d. 'Milton' ..	2	17	9
3 „ 1/11½ 'Milton' ..	2	7	3
	5	5	0
Less Display Allowance ..		14	0
	4	11	0
Plus Purchase Tax ..		17	6
	<u>£5</u>	<u>8</u>	<u>6</u>

	£	s.	d.
5 doz. 8d. 'Milton' ..	1	6	3
2 „ 1/11½ 'Milton' ..	1	11	6
3 „ 1/3 Denture Powder ..	1	7	0
1 „ 2/2 „ „ ..	15	9	
	5	0	6
★ Less Display Allowance ..		14	0
	4	6	6
Plus Purchase Tax ..		1	3 11
	<u>£5</u>	<u>10</u>	<u>5</u>

£2 BONUS PARCELS

	£	s.	d.
2 doz. 8d. 'Milton' ..		10	6
2 „ 1/11½ 'Milton' ..	1	11	6
	2	2	0
Less Display Allowance ..		5	0
	1	17	0
Plus Purchase Tax ..		7	0
	<u>£2</u>	<u>4</u>	<u>0</u>

	£	s.	d.
2 doz. 8d. 'Milton' ..		10	6
3 „ 1/3 Denture Powder ..	1	7	0
½ „ 2/2 „ „ ..		7	11
	2	5	5
★ Less Display Allowance ..		5	0
	2	0	5
Plus Purchase Tax ..		13	5
	<u>£2</u>	<u>13</u>	<u>10</u>

Milton Dental Cream, Milton Antiseptic Ointment and Milton Nasal Sprays may also be included in case lots. Cases available are as follows: Milton Antiseptic, 8d.; 2 and 3 doz., 1/11½; 1 doz. Milton Denture Powder, 1/3; 3 doz., 2; ½ doz., 1 doz. and 2 doz. (at present) Milton Antiseptic Ointment, 1/11½; 1 doz. and 3 doz. Milton Dental Cream, 1/2; 1, 2 and 3 doz. (at present).

To qualify for the display bonus a window display of Milton Antiseptic and/or Milton Denture Powder is required. Showcards sent with goods should be used for this purpose and not the goods themselves owing to absence of cartons at present.

Milton Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks

A Good Opportunity for Increased Sales this Winter



PHARMACISTS are offered exceptional sales possibilities this winter through 'Vimaltol.' This concentrated and economical vitamin food has a delightfully sweet orange flavour which all children love, and is a delicious alternative to malt and cod liver oil. In fact, 'Vimaltol' is as nice as the nicest jam.

The vitamins in 'Vimaltol' are supplied from specially prepared Malt Extract and Yeast, which is one of the richest natural sources of vitamin "B," together with Halibut Liver Oil fortified with additional vitamins.

'Vimaltol' thus possesses definite advantages for increasing strength and weight and fortifying resistance against winter ills. It is a product of the highest quality, and its high concentration makes it very economical in use.

Widespread advertising of 'Vimaltol' coupled with its intrinsic merit, is creating a demand which you can turn to your advantage by ordering stocks now and displaying 'Vimaltol' prominently.

VIMALTOL

(VI-MALT-OL)
A DELICIOUS, CONCENTRATED,
ECONOMICAL VITAMIN FOOD

(On the P.A.T.A.)

Wholesale Prices: 1 lb. jars 24/-; 2 lb. jars 43/-

Exempt from Purchase Tax.

Retail Prices: 1 lb. jars 2/10; 2 lb. jars 5/2

For further
details write
to:—

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184 Queen's
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S.W.7.



Collosol Iodine Crookes'

Collosol Iodine may be administered by the oral, subcutaneous or intravenous route without danger of toxic manifestations or of iodism. It has produced marked results in the treatment of rheumatism, actinomycosis, enlarged glands and goitre, the pneumonias, iodine deficiency, venereal disease, etc., and has a wide application in gynaecology.

CROOKES LABORATORIES (British Colloids Ltd.) PARK ROYAL, LONDON, N.W.10

THE high standard of advertising which characterises Rendell's Products is in keeping with their excellence of manufacture. The pharmacist who displays Rendell's Products increases prestige and turnover alike. Keep ample stocks of Nurse Drew's Booklet, "Hygiene for Women," which thousands of women are demanding daily.

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VASANO has been officially prescribed for use on passenger vessels of numerous sea and air lines.

VASANO is an association of the mandragora alkaloids, hyoscyamine and hyoscine, with camphoric acid. It is quite harmless in the prescribed doses.

Given per os VASANO tablets form an efficient prophylactic. If vomiting has already set in, VASANO suppositories per rectum provide an effective cure. VASANO is suitable for both children and adults. **ORIGINAL PACKINGS**—Packets of 4 tablets. Packets of 10 tablets. Boxes of 10 suppositories.

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The "MODERN" TEAT

ANTI-COLIC. RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

all Top, one-hole perforation, ensuring constant and steady flow.

uffer shoulder protects baby's mouth.

ab enables teat to be lapped over bottle in an instant with minimum handling.



● General Resiliency MAKES IT NECESSARY FOR BABY TO WORK JAWS THEREBY RESEMBLING THE NATURAL NIPPLE.

● Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.

● Will stand Repeated STERILISATION.

MODERN in design and must be TRIED to be appreciated.

NEAREST TO NATURAL FEEDING

MODERN "Teat" has been specifically designed to meet the needs of both MOTHER and BABY, and—what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

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Messrs. M. J. FECHER, LIMITED, formerly of Ipswich Road Trading Estate, Slough, wish to announce their removal to

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TELEPHONE: Slough 21864

Kindly instruct your departments to note the new address carefully. We still receive correspondence now and then addressed to Dod Street, Limehouse, although we removed to Slough over 3 years ago.

Wishing all our friends throughout the country and abroad a serene and happy New Year.

M. J. FECHER, LTD., 121 HIGH STREET, SLOUGH

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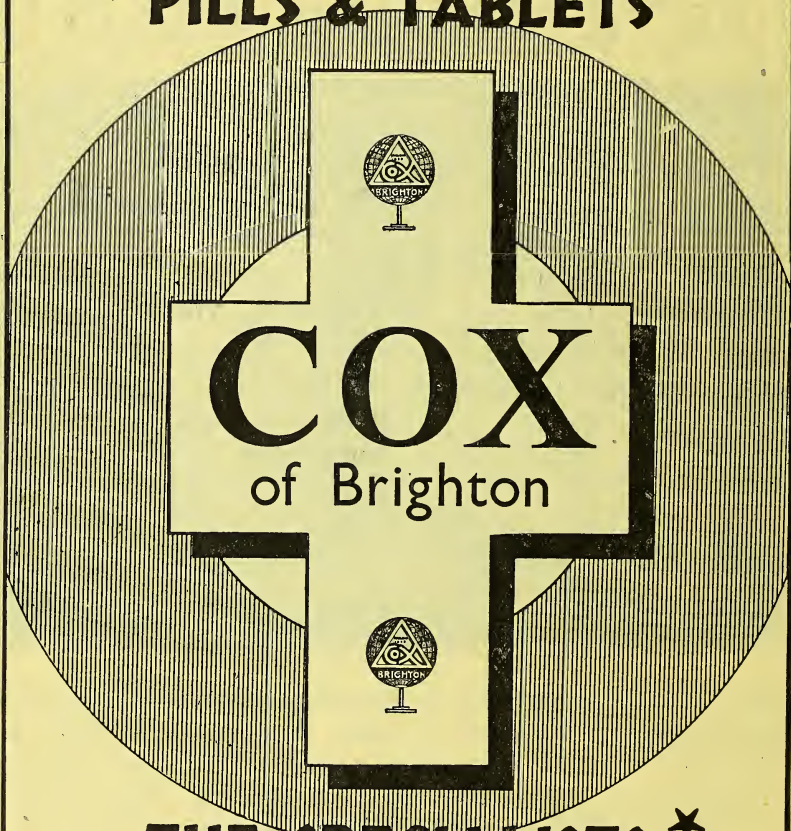


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Products in universal demand are a guarantee of good business. A platitude! But it pays to remember a homely truth like this when you see your stocks of Venol, Eno, Thermo-gene or Phensic thinning out. There is neither pleasure nor profit in running short of lines which millions ask for every day. So keep a wary eye on your shelves! Order well ahead. Then you will be sure of a healthy turnover and have the satisfaction of knowing that your goodwill throughout the neighbourhood is maintained.

VENO DRUG CO. LTD.
CHESTER ROAD · MANCHESTER, 16

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THE SPECIALISTS ★

*with OVER A CENTURY of
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ARTHUR H. COX & CO. LTD.

MANUFACTURING CHEMISTS,

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Cod Liver Oil in nutrition

Before the war leading Medical opinion at home and abroad agreed that even then a daily teaspoonful of Cod Liver Oil was needed to supplement the diets of infants, children, adolescents, and nursing and expectant mothers. The pre-war *Report on the Physiological Bases of Nutrition* 1936, setting down these conclusions and recommendations was endorsed by our own Ministry of Health and the British Medical Research Council.

Since the outbreak of the war the Ministry of Food have taken steps, with their Cod Liver Oil Distribution Scheme, to ensure that adequate supplies are to-day within the reach of expectant mothers and young children.

But the Ministry of Food Scheme

needs the active co-operation and support of the Pharmaceutical Profession in recommending mothers to take advantage of these facilities and in getting them to appreciate the importance and value of Cod Liver Oil in pre-natal care and throughout childhood and adolescence.

For those outside the scheme, and also for those who prefer freedom of choice, SevenSeaS pure Cod Liver Oil is available in all chemists' shops throughout the country. There is no shortage of SevenSeaS, and its quality and purity remain unimpaired. The Pharmaceutical Profession is, however, reminded *that orders should be placed at least two or three months ahead of actual needs*, as the difficulties of packing and delivery are greater than ever before.

Issued by BRITISH COD LIVER OIL PRODUCERS (HULL) LTD..

ST. ANDREW'S DOCK, HULL

Bickiepegs

introduce

TODDLERS CRUSTS

—small hard baked rusks which compel mastication, prevent crowded teeth and are very nutritious. Suitable for children from six months of age. Two 1/- (8 oz.) packets —

ONE POINT

BICKIEPEGS

—used in the Royal Nursery—tough little biscuit bones for babies when teething begins. They promote easy teething and comfort baby. Eight 7d. (2 oz.) pkts. or four 1/1 (4 oz.) pkts.—

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IN FREE SUPPLY

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—hard, nourishing rusks to enable babies to continue the biting exercise. Two 1/3 (8 oz.) pkts.—

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—hard biscuit sticks. They soothe the nerves and prevent crowded teeth. For all ages. Eight 6d. (2 oz.) packets—

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BICKIEPEG REAL VEAL BONE & VEGETABLE BROTH

For babies from birth and nursing mothers. 2/3 per jar.

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—a tonic (cereal food) taken with milk or sprinkled over any food. Needs no cooking. Retail 1/6 per carton.

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IN SHORT SUPPLY

NOTE: Bickiepegs, Chu-Chus, Toddlers Crusts and Nibblesticks are unsweetened — One Point for sixteen ounces. Orders may be mixed.

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of 12 Tablets
NO SMOKE NO SMELL



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**THE COMMON COLD
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ASTHMA and HAY FEVER**

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21 Stone House, Bishopsgate, London, E.

SIMPLE FACTS ABOUT "RIBENA"

1. Ribena Blackcurrant Syrup is being increasingly prescribed because it is an especially rich source of *natural* vitamin C.

2. The Ministries of Health and Food have made available the requisite blackcurrants and sugar to enable us to raise our output very substantially, which we are now doing.

3. By arrangement with these Ministries Ribena should be reserved for children, invalids and medical

prescriptions. Chemists may have, on application, a printed card which will support them in giving effect to this reservation.

4. As a rich and extremely palatable provider of natural vitamin C, Ribena may be sold with every confidence in its inherent qualities.

5. Chemists who could not obtain Ribena previously may now order small quantities regularly from their nearest wholesaler. Controlled price to the public 2/1d. per bottle (approx. 13½ ozs.).

Ribena
BLACKCURRANT SYRUP

A rich source of Vitamin C

H. W. Carter & Co., Ltd., The Old Refinery, Bristol 2

The Popular PHOSFERINE PRODUCTS

are on the P.A.T.A. List

EMERGENCY
PACK No. 2
3/3d.



The great demand for Phosferine Products has created many problems connected with the manufacture, packing and distribution of these very popular lines. But these difficulties, as they arise, are being overcome.

It will be necessary to introduce emergency packs for Phosferine Tablets, owing to the shortage of glass and the difficulty of obtaining carton board. These new packs, wax paper tubes, are illustrated in the group of Phosferine Products.

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No. 1, 1/4d.

PHOSFERINE (ASHTON & PARSONS) LTD., King Georges Avenue, WATFORD • HE

Please order
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Details and List from Dept. 10

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For drawing off small
quantities of Acids from
Carboys.

The Carboy can be tipped
to any position with one
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METAL WORKS**
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and KORAY contains half as much again of the pain-killing ingredient. Owing to KORAY'S look-ahead policy, KORAY is still available packed on display cards. These, however, cannot be repeated, so we suggest that you, too, look well ahead and order your requirements at once. Get in touch with your usual wholesaler today.

KORAY, LTD., LONDON & BLACKPOOL

Illustrated price lists of our products are available. Please send 1d to conform with Government requirements to Koray, Ltd., Blackpool.

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KILLS PAIN QUICKER

'SUPER SHAVE' for Super Sales

and for the
perfect BRUSHLESS
shave with
after-shaving
freshness!



RETAILS AT
1/10 Extra Large
JAR

Trade 12/- doz. plus Pur.Tax

Send your Orders NOW to:—

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BRUSHLESS
**SUPER
SHAVE**
SOAPLESS

Your customers will soon be asking for this aristocrat of brushless shaving creams. Are you ready to meet the inevitable demand now being created by powerful national advertising for SUPER SHAVE?

Retailing at 1/10d. for a jar lasting 4 months, SUPER SHAVE represents SUPER VALUE plus QUALITY that merits your confident recommendation. Stock up NOW for steady satisfactory sales.



Available in Peach, Naturelle, Suntan, Rachele, and Brunette. Size 1½ oz. Retail, 2/11. Trade 17/-, plus 11/4 P.T. doz.

"Lennard's" Face Powder in Bulk, 9/2 lb., including tax.

"Lennard's" Talcum Powder, 2/1 lb., including tax.

Cosmetic Colours for Lipsticks. Face Powder. Liquid Stockings. Bath Salts. Nail Varnish, etc.

Gum Tragacanth and Karaya. Various Qualities.

Perfumery Labels and Seals.

Composition Corks. White Distilled Stearine. Liquid Ammonia .880.

Waxes. Crystals for Bath Salts, etc.

Straw-coloured Mineral Oil.

Face Powder and Talcum Powder Materials.

Terms: Cash only. Please make all correspondence as brief as possible.

LENNARD LEE-NARVILL & CO., Lee-Narvill Laboratories, Hull

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

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Important Announcement

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

BOURJOIS LTD.

and

POND'S EXTRACT CO., LTD.

are now manufacturing at

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★ ★ ★ ★ ★ ★ ★ ★ ★ ★

All communications should be addressed to
the respective Offices and not to the factory
at Croydon.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

re QUOTA SUPPLIES

RETAILERS who purchased goods direct from us during the Standard Period—JUNE 1, 1939, to MAY 31, 1940, will be informed in due course of the Quota to which they are entitled during the current period which ends June 30, 1943.

In the meantime please do not write to us for supplies, and **ON NO ACCOUNT SEND MONEY OR CHEQUES UNTIL THIS NOTIFICATION HAS BEEN RECEIVED.**

If you did not order direct during the Standard Period you should be able to get reasonable supplies through your wholesaler.

Distribution difficulties under present conditions are enormous, so we ask your indulgence for the delays that are inevitable.

EVAN WILLIAMS

SALES DEPT.

67 GORDON MANSIONS, LONDON, W.C.1

Phone: MUSeum 2435



"WEBSTER'S"

STAINLESS STEELWARE

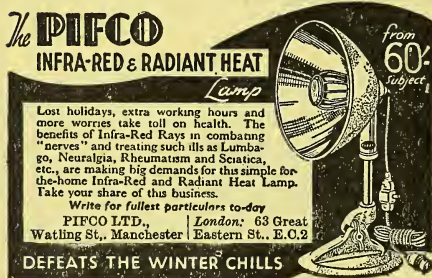
Specialists in modern equipment for manufacturers i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.

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Telephone: 51580 Headingley. Telegrams: Isaac Webster, Leeds



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from 60" subject

Lost holidays, extra working hours and more worries take toll on health. The benefits of Infra-Red Rays in combating "nerves" and treating such ills as Lumbago, Neuralgia, Rheumatism and Sciatica, etc., are making big demands for this simple for-the-home Infra-Red and Radiant Heat Lamp. Take your share of this business.

Write for fullest particulars to-day

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DEFEATS THE WINTER CHILLS

FRAGRANT TONIC HAIR CREAM

"Makes the hair behave"

Prepare your own supplies of this high grade cream, easy to make up, costs less than 2d. per oz. All materials available, also Bottles, Screw Caps, Corks and smart Gold Seal labels. Send stamp for List.

BRICCAS LTD

4 Cavendish Place, London, W.1. Langham 111

"MARIE" LOOP-ENDS SANITARY TOWELS

De Luxe. Retail 1/9. 15/4 per gross carriage paid. Packed in units of 6 dozen and 1 gross

TWO NEW PACKS . . . "MARIE" SANITARY TOWELS

"MATTERBY'S" MATERNITY PADS Retail 2/6. 22/6 doz.

SPECIAL QUANTITY TERMS ON APPLICATION.

Cash with Order. Carriage paid

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 PLANE STREET MILLS, OLDHAM, LANCs.

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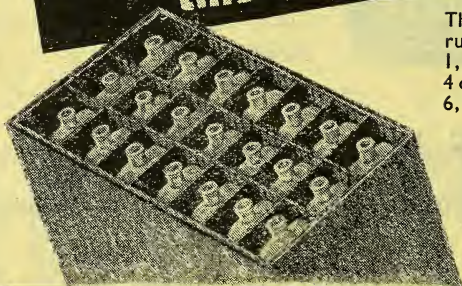
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NEWS OF THE WEEK

"Black List" of Neutral Traders.—An Order (S. R. & O., 1943, No. 4) which came into force on January 11 contains 398 additions to the "black list" of traders with whom it is unlawful to have dealings.

Toilet Preparations.—The Board of Trade, after consultation with the Central Price Regulation Committee, has made an Order controlling the price at which certain toilet preparations may be sold. The articles affected are those the manufacture of which is prohibited from January 1. They are specified in a Schedule to the Order and include hair preparations made wholly or partly from petroleum, and nail varnish. The maximum price which may be charged by the manufacturer, wholesaler, or retailer for any remaining stocks of these goods is the "current price" at which they were being sold on December 1, 1942. In announcing this Order, the Board of Trade emphasises that the maximum permitted price for the manufacturer, wholesaler, or

retailer under the definition of "current price" is not necessarily the price at which these goods were being sold on December 1, 1942, but the lawful price at the date arrived at in accordance with the provisions of the Prices of Goods Act. This Order which is to be known as the Toilet Preparations (Maximum Prices) Order, 1943. (S. R. & O. No. 16), came into force on January 7.

Surgical Rubber Gloves.—The Board of Trade will consider applications from traders for licences to dispose of stocks of surgical rubber gloves, not of their own manufacture, to voluntary hospitals. Traders will be unable to obtain replacement of rubber gloves supplied under the authority of any such licence, and they should therefore maintain an adequate working stock for their normal trade. Applications for licences should be addressed to the Board of Trade, Hawkins Square, London, S.W.1, and should state the quantity of gloves involved.

Inquest.—At Hammersmith, London, W., recently, the coroner returned a verdict of death from barbituric acid poisoning, the drug being self-administered, at an inquest on Viscountess Castlerosse.

Debate on the Beveridge Report.—The January meeting of the Liverpool Branch of the Catholic Pharmaceutical Guild took the form of a debate on the Beveridge report on social security. No vote was taken, but views both for and against were vigorously expressed.

Pharmaceutical Corps.—Training arrangements have now been completed at the West London Hospital, Hammersmith, for members of the West London section of the Pharmaceutical Corps. Enrolment is at 7.30 p.m. on January 21, and the Section Officer is Mr. F. S. Brown, 48 Coniston Avenue, Perivale, Middlesex.

Anti-rabbit Cyanide at Half-price.—The Ministry of Agriculture has made arrangements for the supply of Cymag gassing powder at half-price to farmers for the purpose of destroying rabbits. Farmers desirous of obtaining supplies must secure a certificate from the County War Agricultural Executive Committee for the district that the powder is required for the destruction of rabbits.

Health "Brains Trust" in Glasgow.—A "brains trust" at which answers to questions on health subjects will be answered by a panel of medical men and women is to be introduced in Glasgow on January 31 by the city health authorities. The "trust" is sponsored by the Conjoint Committee on Health Propaganda, representing Glasgow Corporation, the Burgh Insurance Committee, and other bodies.

Salford Vitamin-feeding Experiment.—An experimental administration of vitamin capsules with schoolchildren's morning milk is being made by the Salford Education Authority. A representative cross-section of children has been selected to be given the capsules. Others will go without as a control, and the effects will be compared after three months. Particular attention will be paid to anæmia, bones and skin trouble, and posture.

Health Exhibition in London.—The Minister of Health (Mr. Ernest Brown) opened a "Fighting Fit" exhibition at Charing Cross Underground Station, London, recently. The exhibition was organised by the Ministry of Information on behalf of the Ministry of Health and the Central Council for Health Education. The exhibi-

tion, which will remain open until January 28, will later be shown in thirty-six towns throughout the country.

Night Medical Rota for London.—The London Local Medical and Panel Committee has established a night medical service under which there will be a rota of doctors who are prepared to answer night calls in their own neighbourhoods; it is anticipated that enough will be willing to co-operate to ensure that no patient need go more than a mile to a doctor's surgery. Copies of the rota will be sent not only to the doctor concerned but also to "organisations in the area likely to be affected."

Control of Molasses and Industrial Alcohol.—The Control of Molasses and Industrial Alcohol (No. 17) Order, 1942 (S. R. & O. 1942, No. 2608, price one penny), which came into force on December 28, 1942, makes a number of minor alterations in the conditions relating to the sale of molasses. Details of carriage and storage charges need no longer be given separately in the invoice to the farmer, but must be furnished on request; the invoice must include a reasonable charge for credit where given. The basic prices to consumers are unchanged. Inquiries should be addressed to the Molasses and Industrial Alcohol Control, Great Burgh, Epsom, Surrey.

In the Courts.—At the North Aylesford Petty Sessions, Chatham, on January 8 Timothy Whites & Taylors, Ltd., chemists were summoned for an alleged offence under the Pharmacy and Poisons Act. At the outset, counsel for the defendants raised a legal objection to the wording of the summons, and produced a packet of the preparation in question, showing that it was properly labelled. The defendant firm had been wrongly summoned. A lengthy argument ensued between prosecution, the defence, and the Clerk to the Justices, from which it appeared that the summons had been incorrectly worded at the Clerk's office, and eventually the prosecution agreed to offer no evidence, and the chairman announced that the magistrates would allow five guineas costs against the prosecution.—At Belfast, on January 7, David Ogston Ritchie was sentenced to four months' imprisonment on pleading "guilty" to obtaining dangerous drugs without authority, and for the larceny of Army books and forms. It was stated that the accused, who had been a medical orderly in the last war, had written prescriptions for himself for drugs to which he was addicted.

Eire Wages Order Sought.—An agreement has been reached between the Irish Drug Association and the chemists' section of the Irish Union of Distributive Workers and Traders to apply jointly to the Minister for Industry and Commerce for a Standard Rate Wages Order and a Bonus Order. The Bonus Order, it is learned, will be for a maximum bonus to men employees of 5s. a week, and to women of 4s. Payment of these rates will not come into force until the Minister makes the necessary Order.

Eire Film "Rationing."—In 1943 Eire photographic dealers will, for the first time since the war began, have to submit to a stringent "rationing" of films from the large manufacturers. Outlining details of a rationing scheme recently, Mr. J. J. O'Flaherty (Irish manager, Kodak, Ltd.) stated that Eire chemists would receive during the year 20 per cent. of the value of the films purchased during 1940. No new accounts would be opened. Already a circular letter, with form for completion, had been sent out to Eire chemists by the company, and the letter makes clear that on the 20 per cent. ration cannot be guaranteed. Neither can any undertaking be given to supply a particular emulsion. Chemists are asked to return their completed form by January 15; in June a second form will be issued. They are also asked to return all empty spools, especially spools of the 120 and 620 sizes, in first-class condition. These are wanted for re-winding. An appeal for empty spools has

also been made to Eire finishers. At the Dublin depôt of Ilford, Ltd., Mr. Holmes stated that a rationing scheme for Eire had been completed; the forms would be dispatched to all dealers during the first week in February. The forms would cover the first half of 1943, and a second set would be sent out for the following six months (the quantity of films to be made available to each customer would be evenly distributed over the two half-yearly periods). The "ration" form to be sent out would set out the quota of films allowed to each dealer and selection of sizes would be left to the customer.

American Medical Aid for Eire.—The first consignment of drugs, surgical items and equipment sent to Eire by the American Red Cross and valued at \$26,000 has reached the headquarters of the Irish Red Cross in Dublin. Later they will be distributed to the organisation's depôts throughout Eire. The consignment, which is the first of a \$750,000 donation of medical supplies to Eire, includes several drugs in short supply. Mr. F. M. Mallen, M.P.S.I., who was recently appointed official pharmacist at the Red Cross headquarters, is handling the storage and distribution of the supplies. He intimated that the consignment includes quantities of acid, boric, bismuth, carb., phenol, sulphanilamide in powder and tablets, digitalin, sulphapyridine, intravenous anæsthetics, a large supply of surgical instruments, rubber gloves, sutures, and a modern portable steriliser.



MINIMAL COURT AS HOSPITAL.—Left, Unloading a patient at the Central Criminal Court, Old Bailey, London, where the basement has been converted into a hospital for dealing with air-raid casualties.

Right, An operation in progress in the basement hospital.

CANADIAN NOTES

Medical Garment Rubber Saving.—An Order standardising types of medical garments and limiting the amount of rubber to be used in them has been issued by the Canadian War-time Prices and Trade Board. The expected saving is 170 tons of rubber annually.

Drugs in Grocery Stores.—Two "grocerias" (help-yourself grocery stores) in Toronto have recently installed a drug section. The "Canadian Pharmaceutical Journal" states that some of the drug items on sale are distinctive brands sold to drug stores exclusively, suggesting that a pharmacist has supplied the grocerias.

"Streamlining" Canadian Pharmacies.—Plans for "streamlining" pharmacy operation to cope with the acute shortage of man-power during war-time have been worked out by the management service branch of the Canadian War-time Prices and Trade Board. At a special war-time conference in Toronto recently delegates were shown plans for changing pharmacy interiors to cut down the amount of help necessary; for setting up a simple system of book-keeping; and for cutting down overhead costs.

Dominion Drug Standards Envisaged.—The Canadian Department of Pensions announces that Canada may soon have her own drug standards rather than those of the British Pharmacopœia. This follows the formation of a Canadian Committee on Pharmacopœial Standards, whose duties will be to advise the Minister on modifications in existing standards for drugs sold or offered for sale in Canada. War conditions in Great Britain, not all of them duplicated in Canada, have necessitated changes which may not be justified in Canada.

Heightened Effects from Insulin.—Two medical research workers in London, Ontario, are credited with discoveries that may enable reductions to be made in the number of insulin treatments needed to be taken regularly by diabetic sufferers. The discovery is expected to be particularly valuable in Britain, where supplies of insulin are potentially difficult. The workers are Drs. A. Bruce McCallum and Christian Sivertz, of the University of Western Ontario, and their report is based on experiments on rabbits, which are said to show that amino-sulphone compounds of the sulphonamide group multiply the activity of insulin by ten.

AMERICAN NOTES

11,000 Pharmacies to Close.—In a speech to Rexall chemists in the U.S.A. recently the general manager of the United Drug Co. forecast that during the next year between 10,000 and 12,000 drug stores (pharmacies) in the country would be forced to close as a result of the drafting of pharmacists into the Armed Forces.

Services Award for Production.—The United States Army and Navy production award has been earned by Abbott Laboratories, Chicago, Illinois, for its record production in medical supplies for the armed forces. The award consists of an "E" pennant to be flown above the factory and an "E" button for each employee.

Chemistry Awards.—The American Chemical Society's award in pure chemistry for 1942, was recently granted to Mr. John Lawrence Oncley, Harvard Medical School. Mr. Oncley has carried out important researches into the dielectric properties of resins, proteins, rubbers and insulating oils.—The Garvan medal awarded to women in chemistry has gone to Miss Florence Seibert (associate professor of biochemistry, Henry Phipps Institute, University of Pennsylvania) for "distinguished work in the chemistry of tuberculosis." Miss Seibert isolated the active substance, tuberculin and prepared the International Standard tuberculin.

Army Pharmacy Bill.—A bill providing for the establishment of a separate Pharmacy Corps in the United States Army, enveloping and expanding the present Medical Administrative Corps has been introduced into the House by Representative Carl T. Durham, North Carolina. The Bill has been referred to the house military affairs committee, of which he is a member. It is supported by the American Pharmaceutical Association, the National Association of Retail Druggists, the American Association of Colleges of Pharmacy, the National Association of Boards of Pharmacy, and the National Drug Trade Conference. Its effect would be to change the name of the Medical Administrative Corps to the Pharmacy Corps, and to raise the number of personnel in the corps from sixteen to seventy-two. The promotion schedule would be modified to permit increases in rank to first lieutenant after three years' service; to captain after five years' service; to major after twelve; to lieutenant-colonel after twenty years; and to colonel after twenty-six years' service.

TOPICAL REFLECTIONS

Agricultural Goods

In this centenary year of the establishment of Rothamsted Experimental Station it is specially appropriate that you are publishing a series of articles entitled "Fertiliculture for the Retail Chemist" (34). Your selection of so early a date (January 9 for the first of these articles) is in line with the best type of practice. Chemists will find many of their customers encouraged by the Government propaganda relating to gardening in its various aspects, and consequently less inclined to limit themselves to attention to the floral aspect of the garden. That being so, the case for "knowledge of the goods one is handling and cheerful service," urged by Mr. J. P. Barron, will be still stronger. Soils vary so much that local knowledge is valuable, and customers may be advised not to treat Government pronouncements lightly. In many areas chemists have seized the opportunity offered by the new emphasis on food production to develop a section of their business that was perhaps, under peace-time conditions, not capable of much expansion. A point that occurs to me is that the first fruits to the war-time army of allotment-holders have now exhausted the advantages of working "virgin soil," and will be among the best customers at the present time for fertilisers. The pharmacist's knowledge of organic and organic chemistry stands him in good stead as a basis for giving advice on the chemical aspects of soil preparation.

C.F. Circular

The letter accompanying the new circular from the Chemists' Friends Association (32) sets forth the reasons for the step now taken by way of tightening the relations between the manufacturers, wholesalers and retailers of the Association. The statement that chemists "need not be under any fear that the conditions and penalties will be administered in any arbitrary manner" is welcome. The tone and method of administration in a matter of this kind is highly important. The letter states that unless chemists are willing to accept ethical and business standards, "they will become ordinary shopkeepers." It happens that in this section a week ago the ethical code of the Pharmaceutical Society was described as lacking the firm professional touch. I cannot help thinking there is something grandmotherly about that document, that its luxuriant phrases need

pruning, and that the branches of the Society may with advantage take a hand in this work. When we turn to the business standards with which the Chemists' Friends Association is more especially concerned, it seems to me that there are two questions to be asked: (1) Do they make for more efficient working? (2) Do they contravene any ethical principle? Pharmacists are in an unusual position by reason of the fact that they are partly professional men and partly traders, as has often been said. But this fact does not imply that they are called upon to frame a system of ethics different from all other systems. It is not in dispute, I think, that if we go deep enough, ethical principles are alike all the world over. If in their formulation as systems some differences have arisen, these differences may be accounted for by an imperfect grasp of metaphysics and an imperfect knowledge of history. The safe conclusion is that what is good enough for other professions in ethical standards is good enough for pharmacy.

Ratsbane

I wish the Liverpool Stores War Problems Committee joy in its arrangements for driving a coach-and-four through an Act of Parliament (p. 27). Not for a moment do I suggest that such a procedure may not be attended with success; but this august body will do well to consider your editorial comment (p. 40). It seems to have escaped its notice that 14 lb. will not "go," as children say, into three-ounce quantities: there will be an odd weight left over, and if all the coloured arsenic is distributed, one unfortunate user will presumably be unable to account for the prescribed quota of rats. When we think of the hazards attending the use of poisons by untrained persons, the idea of a stone of arsenic being distributed in small amounts over one of our largest cities is far from satisfactory. The external application of salts of arsenic has been traced by A. C. Wootton to the latter half of the ninth century, and is mentioned by Rhazes. The internal use in medicine of these and other poisons was long in gaining acceptance; it was not till Paracelsus showed the way that the medical profession became less reluctant to prescribe substances of great potency, and even then there were many "die-hards." The word "ratsbane" has apparently been traced to 1523.

Xrayser

COMPANY NEWS

ROWRUSH DISTRIBUTORS, LTD. (P.C.).—Capital £1,000. Perfumers, druggists, opticians, etc. Elizabeth H. Rushton and William Sheldon, directors. R.O.: 152-54 Lord Street, Southport.

ESSENTIAL PLASTICS, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in dentures, dental plant, materials, etc. Barnett Leigh, director. R.O.: Room 7, 107 Long Acre, London, W.C.2.

KING & HUDSON, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in goods including pharmaceutical and toilet preparations. Percy Scott Reid, C.A., director. R.O.: 2 Stoney Road, Coventry.

ROWSE (OPTICIANS), LTD. (P.C.).—Capital £500. Manufacturers of and dealers in optical, surgical and scientific instruments and supplies, etc. J. H. Rowse, M.P.S., Editha M. Rowse and E. A. Coe. R.O.: 7 Chalfont Court, London, N.W.1.

W. & B. WEST, LTD. (P.C.).—Capital £500. Chemists, manufacturers of and dealers in pharmaceutical and chemical preparations, etc. Winifred Dunkerley, William Vaughan, Evan Jones and Elsie C. Baird, Ph.C., directors. R.O.: 6-8 Jamaica Street, Liverpool.

MODERN SURGICAL INSTRUMENTS, LTD. (P.C.).—Capital £100. Manufacturers of and dealers in surgical, medical, nursing and veterinary instruments, etc. Charles W. Stephenson and Alfred C. Daniels, directors. R.O.: 15 Selwyn House, 3 Lansdowne Terrace, London, W.C.1.

JOHNSON AGENCIES (PROPRIETARIES), LTD. (P.C.).—Capital £10,000. To acquire the business of a manufacturing chemist and distributing agent carried on by Stanley C. Springett at 46 Hawkhurst Way, West Wickham, Kent. Stanley C. and Lorna M. Springett, directors. R.O.: 86 Clarendon Road, Croydon, Surrey.

MIDLAND BANK, LTD.—Net profit for 1942 amounted to £1,997,132, to which is added £626,681 brought forward. After deducting appropriations for reserve fund and contingencies £1,267,468 is left, from which the directors recommend a further dividend (for half-year ended December 31, 1942) of 8 per cent. actual, less income tax, £606,345. £661,123 is carried forward.

THERAPEUTIC RESEARCH CORPORATION OF GREAT BRITAIN, LTD.—Upon completion of the term of office of the first directors on

December 31, the following directors and research panel officers succeeded them, in accordance with the Corporation's policy that there shall be annual changes in the offices of chairman and deputy-chairman of directors, and of chairman and deputy chairman of the research panel: *Chairman*, board of directors: Dr. T. B. Maxwell (May & Baker, Ltd.); *Deputy-chairman*, Mr. Harry Jephcott (Glaxo Laboratories Ltd.); *Chairman*, research panel: Dr. F. I. Pyman (Boots Pure Drug Co., Ltd.); *Deputy-chairman*, Dr. J. W. Trevan (The Wellcome Foundation, Ltd.). A report by the Corporation states that its object in securing collaboration in selected fields both within the British pharmaceutical industry and between the industry and scientific workers generally, has been considerably advanced.

APPLICATION FOR DISCHARGE FROM BANKRUPTCY.—Moses Fagot, M.P.S., employed at 338 Kilburn High Road, London N.W.6, and lately trading as Phago Pharmaceuticals at 707 Finchley Road, London N.W.6; hearing at Bankruptcy Buildings, Carey Street, London, W.C.2, at 11 a.m. on January 21.

Voluntary Liquidation.—H. C. WOODHEAD, LTD., chemists, formerly of 10 Paradise Street, Liverpool. A meeting of the creditors was held recently at Liverpool; Mr. Edward Hughes (a director) occupied the chair. Statement of affairs disclosed ranking liabilities of £1,787, 0 which £269 was due to the trade, and the balance to cash creditors. After allowing £5 for preferential claims, net assets were £303, or a deficiency, as regarded the creditors, of £1,484. Assets comprised cash at bank, £59; estimated war damage claim, £250. Business was commenced about seventy years ago by Mr. H. C. Woodhead, being taken over by a Mr. Casey about thirty years later. Mr. Casey died in 1922, and the business was sold to Mr. F. Clarke for £1,050. Mr. Clarke was not a qualified chemist and he formed a limited company with a capital of £1,000. The business was then transferred to the company. Mr. Clarke died in 1929 and his shares in the company were taken over by his widow. A resolution was passed confirming the voluntary liquidation of the company, with Mr. Parkin S. Booth as liquidator and a committee of representatives of three of the creditors.

TRADE NOTES

for the 1943 Season.—Dealers selling top vacuum closures are requested to order now. A list and terms are obtainable from Graham Farish, Ltd., Bromley, Kent.

Lamb Dysentery Vaccine.—Evans' lamb dysentery whole-culture vaccine is presented in containers of 50 c.c. and 250 c.c., and as stated in a recent advertisement by makers, Evans Sons Lescher & Webb, Ltd., Liverpool. The prices were correct as given.

Now Holders of Royal Warrant.—The "London Gazette," January 1, announces that the name of H. Bronnley & Co., Ltd., London, W.3, has been included in the section "Toilet Soaps" in a list of tradesmen who hold warrants of appointment to His Majesty the King.

Solid Fuel Tablets.—Hot Spot non-poisonous solid fuel tablets, for use with spirit stoves, curling tongs, percolators, etc., are offered at terms detailed elsewhere in this issue by the sole distributors, Technics, Ltd., 329 High Holborn, London, W.C.1. No matter may be had on request.

New Giant Size.—To comply with the control of Tins Order, E. C. de Witt & Co., Ltd., 2 Cherry Orchard Road, Croydon, Surrey, have withdrawn the 7½-oz. size of de Witt's antacid powder and replaced it with a giant canister containing 10 oz. Details of prices are given on another page of this issue.

Nutrient Tablets.—As a corrective for mineral and vitamin deficiency Vikelp is recommended by Health Products Laboratories, Ltd., 128-34 Baker Street, London, W.1. The product is described as a perfectly balanced combination of all the elements necessary for complete remineralization of the system. It is on the protected list of the Proprietary Articles Trade Association.

Rusks to Remedy Crowded Teeth.—The makers of Bickiepegs have introduced a new speciality, Toddlers rusks, consisting of small hard baked rusks that compel mastication and prevent crowded teeth. They are suitable for children from six months old and require one coupon for two oz. packets. The distributors are May, Roberts & Co., Ltd., 47 Stamford Hill, London, N.16, and (to retailers only) Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts.

Factory Concentration.—In accordance with the Government's scheme for the concentration of industry, Bourjois, Ltd., and Pond's Extract Co., Ltd., have arranged to manufacture the products of both companies at the Bourjois factory, Queens Way, Croydon; the fullest facilities have been provided for the incoming firm. All communications should, of course, continue to be addressed to the separate offices of the companies, as follows: Pond's Extract Co., Ltd., 24 Bruton Street, London, W.1, telephone: Mayfair 6071-72; and Bourjois, Ltd., 36 Grove Road, Sutton, Surrey, telephone: Vigilant 6080.

Business Changes

M. J. FECHER, LTD., have removed to 121 High Street, Slough. Telephone: Slough 21864.

A. J. RIPPIN, LTD., removed their offices and warehouse on January 12 to 22a Upper Ground, Blackfriars Bridge, London, S.E.1. Telephone: Waterloo 5800.

Proprietary Articles Trade Association

Additions to Protected List.—*Granto Laboratories, Ltd.* Plesox stomach treatment, 2s., 16s. doz., tax 2s. 8d. doz., inclusive retail price, 2s. 3d.; 3s. 9d., 30s. doz., tax, 5s. doz., i.r.p. 4s. 2d.; 6s., 48s. doz., tax 8s. doz., i.r.p. 6s. 8d. Gravomit tablets, 3s. 9d., 30s. doz., tax 5s. doz., i.r.p. 4s. 2d.; 6s., 48s. doz., tax 8s. doz., i.r.p. 6s. 8d.

Alterations.—*H. W. Carter & Co., Ltd.* Ribena blackcurrant syrup, 2s. 1d., 20s. doz., exempt from tax. (Prices fixed by Ministry of Food.)

Culmak, Ltd. Junior shaving brush, 3s. 0½d., 24s. 9d. doz., tax 8s. 3d. doz., i.r.p. 3s. 9d.

Evan Williams Co., Ltd. Ordinary grade henna shampoo, 37s. 6d. gross, tax 12s. 6d. gross, i.r.p. 6d. Camomile shampoo, 37s. 6d. gross, tax 12s. 6d. gross, i.r.p. 6d. Graduated henna (application) shampoo, 1s. 2d., 9s. doz., tax 5s. doz., i.r.p. 1s. 7d.; Henna and camomile (application) shampoo, 1s. 2d., 9s. doz., tax 5s. doz., i.r.p. 1s. 7d. Tunisian henna, 13s. doz., tax 7s. 8d. doz., i.r.p. 2s. 3d.

Deletions.—*Culmak, Ltd.* Culmak shaving brushes, excluding Junior.

Southall Bros. & Barclay, Ltd. Vitafer.

C. H. White (Wholesale Chemists), Ltd. Fru-Tuss cough cure.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEMBERS present at the meeting of the Council of the Pharmaceutical Society at Derby on January 6 were the president (Mr. W. S. Howells), the vice-president (Mr. F. G. Wells), Mrs. J. K. Irvine, Sir Malcolm Delevingne, Sir Walter Langdon-Brown, Messrs. J. T. Appleton, C. Davis, W. Deacon, J. H. Franklin, H. M. Hirst, G. R. Knox Mawer, J. F. McNeal, A. R. Melhuish, L. M. Parry, E. S. Peck, P. F. Rowsell, H. C. Shaw, H. Skinner, and J. C. Young, with the secretary and registrar (Mr. Hugh N. Linstead, M.P.).

Tuesday's Session

Among the items of business transacted were the following:—

Council Election 1943

Letters were received from the Socialist Medical Association pharmaceutical group and three members of the Society representing that the Council election should be resumed. The Council reviewed in the light of present circumstances the reasons which had led them to apply for a postponement of the Council election in 1941 and 1942, and the support for this policy expressed at the annual meetings of the Society in those years, and came to the conclusion that the policy should be continued. It was accordingly decided to apply to the Privy Council for a postponement of the Council election in 1943.

Resolutions of Branches

Resolutions were received from the Southport and District Branch concerning the education of the public in the nature of the practice of pharmacy and from the Nottingham and District Branch concerning the protection of the business interests of pharmacy.

Wednesday's Proceedings

Greetings

Airgraphs were received conveying greetings from South African and Indian pharmacists. There was also a similar message from Miss Bicknell (British Volunteer Ambulance Corps), who drives one of the ambulances provided from subscriptions by members of the Society. THE PRESIDENT sent greetings to all members of the Society on behalf of the Council and briefly reviewed pharmaceutical war-time problems.

Registration

THE REGISTRAR reported that during the past month twenty-nine apprentices or students had been registered. The names of sixteen persons were restored to the Register.

Resignation of Mr. E. Saville Peck

THE PRESIDENT reported that he had received a letter from Mr. E. Saville Peck stating that he felt obliged to resign from membership of the Council on the ground of his inability to continue to attend Council meetings regularly owing to increasing disability due to arthritis. He had communicated with Mr. Peck and it was clear that the decision, which was taken on medical advice, was final. Mr. Peck would however continue as a member of the Statutory Committee and help the Society in any other way possible. The president continued: "I have therefore to report with much regret Mr. Peck's resignation and, in doing so, would recall the fact that he has been a very valuable member of this Council for some twenty years. Before that he was a member of the Board of Examiners, and he served on many of our Committees. He is a past-president of the Society. He was chairman of the Education Committee for many years and right up to the time of his retirement he was chairman of the Public Services Committee."

MR. ROWSELL proposed: "That the Council learn with great regret of the retirement of Ernest Saville Peck from membership of the Council and place on record their sense of deep appreciation of his long and distinguished services to pharmacy. Among the many pharmaceutical offices filled by Mr. Peck were those of a member of the Board of Examiners for England and Wales, Honorary Secretary of the British Pharmaceutical Conference, Chairman of the British Pharmaceutical Conference, Chairman of the League of Ex-Service Pharmacists, member of Council, Chairman of the Education Committee, Chairman of the Public Services Committee, member of the Statutory Committee and Vice-President and President of the Society. During his long participation in pharmaceutical public life, Mr. Peck devoted himself unstintingly to promoting the interests of pharmacy and earned the affection, esteem and gratitude of phar-

cists generally. He will be remembered particularly for the example he set in the practice of pharmacy and for the work he did in connexion with the British Pharmaceutical Conference, pharmaceutical education, pharmaceutical conditions in the Armed Forces and pharmaceutical international relations."

M^R. WALTER LANGDON-BROWN seconded the motion, and it was supported by M^R. R. MELHUISH and M^R. J. F. MCNEAL.

Foreign Pharmacists

It was reported that the examination of foreign pharmacists now in this country had been completed. Of the forty-three who submitted themselves only one failed to satisfy the examiners, who reported that the majority had a high standard of experience. Seven of the number were Czechs, ten Austrians, eight Germans, three Poles, one Palestinian, and one was classed as stateless, he being probably a German deprived of his nationality by the German Government. M^R. WELLS said he had been struck by the high standard of the candidates, most of whom had overcome the language difficulty, and there need be no hesitation in employing them. Mentioning that one of the examinees was over twenty, he suggested that in future there should be an age limit. He also considered that a charge should be made for the examination as it involved a certain expenditure by the Society, and although the pharmacists were refugees the majority of them were in a position to pay.—Applications for registration by ten of the forty were accepted, as were also twenty more conditionally upon Home Office approval being received. Ten others are to be dealt with at the next meeting of the Council.

Benevolent Fund

Contributions to this Fund during the month of December were returned at £114. M^R. MCNEAL, chairman of the Committee, referred with satisfaction to the fact that members of the Society were maintaining their interest in the Fund.

War Aid Fund

Included in the month's receipts for the War Aid Fund, totalling £342, was a sum of £200 from the Associated Pharmaceutical Societies of South Africa, which had previously sent £500. M^R. DEACON, the chairman, expressed gratitude for this and for the support forthcoming from Ladies' Committees. The fund had now reached over £24,000.

Establishment Committee

On the recommendation of this committee, M^R. T. E. Wallis was invited to act as examiner for the herbarium competition for 1943, and the president, vice-president, and M^R. J. C. Young were constituted the committee of award for the Harrison Memorial Medal and Lectureship. The University of London had agreed to the continued use by M^R. Wallis of the title of Reader in Pharmacognosy for the 1943-44 session.

Professional Conduct

From the report of the Organisation Committee it appeared that the secretary had been instructed to prepare for circulation for the next meeting a draft statement incorporating their decisions on the revision of the Statement on matters of Professional Conduct.

COMING EVENTS

Notices for inclusion under this heading should be sent in time to reach the Editor in Bath not later than Wednesday morning of the week of insertion. Secretaries are advised to send copies of printed programmes of local activities so soon as they are completed.

Tuesday, January 19

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS, Pigeons Hotel, Romford Road, Stratford, London, E., at 7.30 for 8 p.m. "Concerters' Variety Show" in aid of Pharmacists' Prisoners-of-war Fund. Tickets 1s. and 2s. from M^R. Pearce, c/o M^R. S. M. T. Carter, 453 Romford Road, Forest Gate, E.7.

Wednesday, January 20

MANCHESTER PHARMACEUTICAL ASSOCIATION, Pharmacy department, University of Manchester, at 2.30 p.m. First weekly lecture in refresher course. (See *C. & D.*, December 5, 1942, p. 568.) No vacancies.

Thursday, January 21

NORTH METROPOLITAN BRANCH OF THE PHARMACEUTICAL SOCIETY, Conway Hall, Red Lion Square, London, W.C.1, at 6.45 p.m. M^R. G. H. Armitage on "One Voice for Pharmacy."

Saturday, January 23

NOTTINGHAM BRANCH, CHEMICAL SOCIETY, Chemistry lecture theatre, University College, Shakespeare Street, Nottingham, at 3 p.m. Dr. R. A. Morton on "Vitamin A."

RECENT RESEARCH

Hexametaphosphate as Anticoagulant.—Caspé and Hadjopoulos ("American Journal of Pharmacy," May, p. 175) report that sodium hexametaphosphate ($(\text{NaPO}_3)_6$) acts as an anticoagulant for blood and milk. It forms complex salts with calcium which ionise so poorly as to yield no precipitate with soluble oxalates.

Control of Molybdenosis.—In a paper read to the Nutrition Society ("Lancet," November 7, p. 545), Ferguson recorded that 2 gm. copper sulphate daily for eighteen weeks was effective in controlling teart, a molybdenosis of farm animals prevalent in Somerset. The disease is characterised by excessive diarrhoea in cattle and sheep, and is found in pastures having a molybdenum rate of up to 100 parts per million instead of the normal five parts.

Dry Sterilisation with Little Heat.—Pointing out that neither boiling water nor live steam constitutes a reliable means of sterilisation, Goedrich and Schmidt ("Journal of the American Pharmaceutical Association," xxxi. 7. 205) describe a method of sterilising surgical instruments that gives results equal to those obtained by autoclaving with steam under pressure. The method consists of exposing the instruments to the vapours of formaldehyde which is developed in a master chamber from paraformaldehyde under virtually dry conditions. Complete sterilisation of heat-sensitive articles may be achieved at temperatures as low as 37°C . if time is not vital. At 90°C ., exposure for one hour suffices to kill even abnormally resistant spores.

Calcium in Presence of Magnesium.—A method of determining calcium in the presence of magnesium by direct titration with standard soap solution is described by Polsky, Feddern and Betz, in "Industrial and Engineering Chemistry" (14. 8. 644). A 50-mil sample of water is measured into a 0.24-litre (8-oz.) glass-stoppered bottle and neutralised to the phenolphthalein end point, and 1.0 mil of ammonium chloride reagent, 10 per cent., and 2.7 mils of $N/1$ sodium hydroxide are added, bringing the pH of the resulting solution to approximately 11.7. A variation in the pH value of the solution, before titration, from 11.7 to 12.0, is allowable without affecting the stability of the end point or the accuracy of the determination. The soap solution is then added in small portions from a burette. The bottle is shaken vigorously after each

addition, and placed on its side, and the formation of a lather is observed. This procedure is continued until a lather is formed which covers the entire surface of the liquid and lasts for 1 minute. If the test requires more than 7 mls of soap solution, an aliquot portion is diluted to 50 mls with distilled water so that the final end point will be less than 7 mls. The method gives accurate results and is easily executed. It is not affected by normal concentrations of ions found in industrial waters. It makes possible the determination of the distribution of hardness in terms of calcium and magnesium.

Australian Plaster Specification.—The following standards are included among provisional specifications which have been drawn up for surgical and dental plaster throughout the Australian Commonwealth. The material must be composed essentially of calcium sulphate semihydrate; dry, uniform and free of partly set or cake lumps; and readily miscible with water to form a uniform slurry or paste. It must pass wholly (100 per cent.) through a No. 30 mesh sieve. At least 80 per cent. of surgical and 95 per cent. of dental plasters must pass through a No. 100 mesh sieve.

When spatulated in the normal manner but without further working in the hand, the mixed surgical material must give an initial set not less than ten minutes and greater than twenty minutes. When subjected to working by the hand for five minutes following spatulation, the material must exhibit an initial set between six and nine minutes. The thoroughly set and dried surgical material (not including the fabric) must exhibit a compressive strength not less than 1,000 lb. per sq. in. Alternatively, the tensile strength must be not less than 250 lb. per sq. in. The dental material must not produce any deleterious effects in dental materials such as vulcanite.

The Gillmore initial set must be not less than four minutes, and the Gillmore final set not greater than thirty minutes. The maximum expansion on setting must be not greater than 0.25 per cent. The net crushing strength at one hour must be not less than 1,400 lb. per sq. in. Dental specimens twenty-four hours old heated in saturated steam at 170°C . (338°F .) for $\frac{1}{4}$ hr. must possess a compressive strength not less than 550 lb. per sq. in. Specimens heated for 1 hr. must possess a compressive strength not less than 250 lb. per sq. in.

PERSONALITIES

MR. ARTHUR MORTIMER, O.B.E., addressed Exton, London, S.W., Rotary Club recently "The Drug Trade in War-time."

MR. A. R. PARKINSON, who has for many years been a director of and buyer for Parkinsons, Ltd., manufacturing chemists, Arnley, has terminated his employment with the company.

MR. W. S. HOWELLS (president of the Pharmaceutical Society of Great Britain) for three years has been chairman of the mail section of the Proprietary Articles Trade Association and a vice-president, was on January 7 elected *President* of the association. Mr. Howells has been a member of the council of the P.A.T.A. since 1933, and a member of its executive committee for the past six years. His election to the presidency during his term of office as head of the Pharmaceutical Society marks the second occasion on which the presidency of the two organisations has been held concurrently by one man; the first was in 1937, when the distinction fell to Mr. Thomas Marns.

BIRTHS

CAREY.—On December 29, Patricia, the wife of Mr. Hugh Carey, M.P.S., 78 Chestnut Street, Plumstead, London, S.E., of a daughter.

RICHARDS.—At Redlands, Glasgow, on December 28, Pearl, the wife of Mr. James Richards, M.P.S., 1028 Shettleston Road, Glasgow, E.2, of a son.

MARRIAGES

LIGHTBOWN—PAINTER.—At Chapel Street Congregational Church, Blackburn, on January 5, James Lightbown, M.Sc., son of Mr. W. H. Lightbown, M.P.S., Lynwood Road, Blackburn, to Margaret Painter.

DEATHS

CARNEY.—At a Dublin nursing home, on January 1, Mr. Valentine Carney, M.P.S.I., Raynooth, co. Kildare. The death of Mr. Carney removes from the Register one of the oldest and most respected pharmacists in Eire. He qualified in 1890. His two sons are pharmacists. Mr. Stephen J. Carney, L.P.S.I., is in business on his own at Capel Street, Dublin, and the second

son, Mr. T. H. Carney, M.P.S.I., is on the staff of Hayes, Conyngham & Robinson, Ltd.

HARRIE.—At his home, 21 The Green, Twickenham, on January 11, Mr. H. W. Harrie, of the representative staff of C. R. Harker, Stagg & Morgan, Ltd., manufacturing chemists, London, E., aged seventy. Mr. Harrie gave fifty-five years of loyal and faithful service to the company and was an outstanding personality among the "knights of the road." Commencing as an office boy, he worked through various departments, attended evening classes in chemistry and physics and lost no opportunity of acquiring any knowledge of the details of the trade. After seventeen years of varied experience inside the house, the last five years of which he spent as manager of the manufacturing laboratory, Mr. Harrie took up work on the road, and his cheery nature and willingness to lend a hand to those in need earned him a host of friends. This was only too evident during his last illness, dating from about three months ago, when he received literally hundreds of letters and inquiries from his customers all over the country. It is characteristic that throughout his illness he continued to carry on his business from his bed, attending scrupulously to his vast correspondence, and to the end his thoughts were always bent upon furthering the interests of his old firm. He was for some years honorary treasurer of the United Kingdom Commercial Travellers' Benevolent Society.

McNICOL.—On January 3, Mr. David McNicol, M.P.S., 2 Victoria Park Gardens, Glasgow. Mr. McNicol passed the Minor examination in 1904.

RECENT WILLS

MR. JAMES HERBERT CRISPE, Purley Hall, Pangbourne, and Two Ways, Berks, and 84 Clerkenwell Road, London, E.C., who died on November 10, 1942, left £71,327, with net personalty £66,499.

MR. NORMAN PHILIP MILLARD, 60 Wood Vale, Muswell Hill, London, N.10, a director of C. J. Hewlett & Son, Ltd., wholesale druggists, who died on October 12, 1942, left £3,402, with net personalty £3,264.

MR. WILLIAM ARTHUR ALBRIGHT, J.P., of Field House, Frederick Road, Birmingham, formerly chairman of Albright & Wilson, Ltd., chemical manufacturers, Oldbury, who died on July 13, 1942, left £146,676, with net personalty £124,576.



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... CXXXIX JANUARY 16, 1943 NO. 3284

The fact that goods made of raw materials are in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

F. New Conditions Reviewed

The explanatory circular from the secretary of the Chemists' Friends Association addressed to all chemists in England, Wales and Northern Ireland (C. & D., January 9, p. 32), elaborating the definitions of C.F. goods and the obligations and restriction on display of non-C.F. goods (C. & D., December 5, 1942, p. 576), needs to be carefully digested by all retailers whether they be members of C.F. or not. The secretary's statement will also be of interest to manufacturers and wholesale contributors. We commend the friendly and helpful terms in which it is phrased, and there is manifest a desire that the stated intentions of this tightening-up scheme should not be misunderstood.

The scheme is not without its difficulties, and it is not our purpose at this early stage to be critical, but there are a few points on which comment may be of service. The main feature of the new conditions is the limitation of display that may now be given to non-C.F. proprietary medicinal preparations and surgical dressings, and the prohibition of any other form of publicity by them of such goods. This

regularises and implements the understanding on which C.F. was originally founded. It should be clearly understood that there is no restriction whatever on the sale by retailers of non-C.F. goods. With war-time "peephole" windows the fashion, the limitation of window display of non-C.F. goods imposes little hardship on retailers except the loss of bonus terms for displays; the restriction, it should be noted, also applies to inside showcases and counter fittings, but not to stock shelves. Showcards and other forms of publicity of non-C.F. goods inside or outside the shop premises are not permitted, but there is no mention in the obligations that a retailer may not publicise non-C.F. goods in a place other than his retail premises or by way of advertisements, handbills, etc., although no doubt such activities would be looked upon as against the spirit of C.F.

Trade Support

The circular points out that the scheme is backed "by a two-thirds majority of retail chemists in England and Wales." Not necessarily, it should be noted, by two-thirds of the chemists' shops, for we understand the multiple firms and the co-operative societies are, for the purpose of this calculation, each counted as one unit or one proprietor. For instance, there may be, say, 12,000 retail pharmacies owned by 9,000 proprietors, of whom some 6,000 have supported the scheme. The point is not particularly important except that it provides a working majority on which the new conditions and obligations were launched, for the circular states "these conditions . . . will be operative on all chemists, independent, multiple and co-operative, irrespective of whether they have signed a retailer's C.F. agreement or not." Let us by way of illustration take a typical industrial town containing thirty retail pharmacies. Although, say, only twenty of them are owned by C.F. proprietors, the whole thirty will be required to conform to the new conditions.

The position of some retailers, and there are quite a few, who also have a wholesale business, may present minor difficulties. They will as wholesalers apparently be permitted to continue to sell non-C.F. lines

to non-C.F. retailers, but they will not be allowed to sell wholesale C.F. goods or their own packed medicinal proprietaries to non-C.F. traders. They may, of course, sell C.F. goods to C.F. retailers.

Brand-name Proprietaries

The position of the extremely few manufacturers who make a number of packed medicinal preparations which are marketed under a common brand name is another point that calls for consideration. In one case we believe the goods of the company are on the C.F. list and they are available to all retail chemists. In this instance it would seem the scheme should operate smoothly. Where, in another case, the circumstances are such that although the goods may well be eligible for C.F. on account of their character and ineligible for listing because they are available only to certain retailers appointed by the makers as their territorial agents, the position needs elucidation. The agent retailers will, of course, be permitted to continue to sell these "exclusive" goods, but will they be allowed to give them full publicity in their premises and in other ways equal to that given to C.F. goods? No doubt some arrangement will be made to meet this peculiar position.

As the circular points out, it is not intended that the obligations and penalties shall be enforced in an arbitrary manner. Complaints of non-observance will be investigated, and where it is found that retailers have been under a misapprehension but are carrying out the spirit of the scheme, they may be advised in a helpful manner. It is only in cases where after ample warnings it is quite definite that the scheme is being deliberately ignored or defied that the offender will be put on the "stop list," unless he is prepared to give an undertaking not to commit future breaches and to pay a penalty not exceeding £50. The enforcement of the penalty against the proprietor of one, or possibly two or three shops, should not be difficult, but its imposition on account of persistent offence by a branch of a multiple company may not be quite so automatic, for to be practicable it would, it seems, be necessary to stop supplies of all C.F. goods to all branches of the company concerned.

Position of Company Chemists

We have no information as to whether the multiple company chemists or the co-operative societies are or are not signatories to the new conditions. It is possible the matter of their attitude may be the subject of negotiations. They could, of course, decide to agree to conform to the C.F. conditions without becoming actual parties to the agreement.

Finally, we would refer our readers to Condition No. 3 (c). "Non-C.F. goods of a proprietary character which are eligible for inclusion in the C.F. list but do not appear therein, and showcards and other advertising material relating thereto are not to appear in the window, etc." What would be the position of a proprietary product of a medicinal character that was considered by the Council of C.F. to be ineligible for inclusion in C.F. because it failed to comply with their ethical standards? As the clause quoted above is a present worded it seems to us that retailers would not be committing a technical offence if they displayed such goods without restriction.

In the Absence of Advertisement

THE distinction between selling and advertising a product for the treatment of diabetes; whether or not insertion of a note of discontinuance of the product in the price list constituted a cancellation of an advertisement; and if in an advertisement for backache and kidney herbs these could have been held out as a cure for Bright's disease, were among the interesting points at issue in a prosecution brought by the Pharmaceutical Society of Great Britain and reported in the *C. & D.*, January 1943, p. 30. The defendants were Heath & Heather, Ltd.

Products Discontinued

It appeared that defendants had issued a "Book of Herbs" in which remedies for diabetes were mentioned, but that on the coming into force of the Pharmacy and Medicines Act a notice had been inserted in copies subsequently issued stating that some of the products had been discontinued.

employee of the Society had written for and had been supplied with pills "in place of the ones referred to in the "Book." The container of these was only marked "P," with no reference to their purpose. It was claimed that there was no holding of the pills for diabetes. A director of the company said that in correspondence with the Society they had stated that they had not withdrawn from sale every article relating to diabetes because it was not the case but the advertising of them that was prohibited. For the Society it was argued that a new list of prices and of articles the sale of which was discontinued was not sufficient to cancel the advertisement, but the magistrate held the view that the Act had not been contravened and dismissed the case.

Bright's Disease Omitted

In regard to the backache and kidney troubles, the prosecution sought to prove that the relative paragraph in the Pharmacy and Medicines Act was drawn in sufficiently wide terms to cover kidney and bladder disorders, and that the construction to be placed on the advertisement was that any kidney disease could be dealt with by the particular herbs. The defendants pointed out that none of the essential symptoms of Bright's disease were mentioned in the advertisement, whereas by the citing of certain diseases and omitting Bright's disease it was evident that there was never any intention to offer the remedy for this complaint. This summons was also dismissed.

Cancelling an Advertisement

Whether or not the framers of Sections 8 and 9 of the Pharmacy and Medicines Act intended to prohibit the sale to the public of articles for certain named diseases, the fact remains that it is only the advertising of such products that is controlled, though the definition of "advertisement" as "any notice, circular, label, wrapper or other document, and any announcement made orally or by any means of producing or transmitting light or sound" seems comprehensive enough. The point is, however, that so long as the distinction between selling and advertising persists

the sale is not an offence against the Act. How to avoid infringement of the Act when there is in stock a considerable number of booklets or other literature containing an unlawful advertisement may prove a difficult proposition if it is not desired to withdraw the publication in its entirety. Cancellation by a rubber stamp may not exonerate if the products referred to are still on sale, as was shown by a case in the same Court recently. In the present instance the sale of the products mentioned in the "Book" had been discontinued and there appears to have been no mention of disclosure of the formula when the case was before the magistrate. The safest course would seem to be to obliterate the offending references by over-printing if the work involved is too onerous for accomplishing by other methods.

Naming the Diseases

We have previously called attention to the dangers of references to backache and kidney advertisements, and in the *C. & D. Year Book*, 1943, it is pointed out that a useful guide is the answer to the question: Does the title of the product or relative advertising matter indicate or suggest by implication that the product will have a beneficial effect upon or cure any of the diseases mentioned in the Act? The use of the word "all" in connexion with the treatment of disease in certain parts of the body is debarred. In the present prosecution certain diseases were named, but not Bright's disease, and the inference is that the product was not intended for treatment of this complaint. The magistrate accepted this view and dismissed this summons.

While in some respects it is unfortunate that the Pharmaceutical Society undertook these prosecutions, as it seems evident that the defendants were most anxious to keep within the law and co-operate with the Society, on the other hand it is only by legal decisions that many of the obscurities of the Act can be cleared up and so furnish a guide for others. Though all who are alleged to transgress are not willing or in a position to defend themselves by taking a case to the Courts, the Society has not so far as we are aware exercised its statutory functions in other than a reasonable manner.

Pricing Dispensed Proprietaries

THE Commonwealth Prices Commissioner for Australia has recently given his approval to a "Price List of Ethical Proprietaries for Dispensing." Except that a prescription-recording fee of sixpence charged in the other States is an optional charge in New South Wales, the prices listed are to be uniform throughout the Commonwealth. They have been compiled according to a formula devised by the Commissioner, and apply to specified ethical proprietaries (products which have "reached a stage in sales volume where the doctors' backing is no longer required, and consequently open sale is preferred by the manufacturer") but not to general "patents" and proprietaries. The following is the method by which the price to be charged to the customer for a dispensed "ethical" proprietary is arrived at:—

1. To wholesale cost up to 10s. add sales tax (if any), then add 50 per cent.
2. To wholesale cost over 10s. and up to 20s. add sales tax (if any), then add 40 per cent.
3. When wholesale cost is more than 20s., add sales tax (if any), then add 33½ per cent.

When the dispensing price does not exceed 3s. the price is brought to the nearest halfpenny; between 3s. and 20s. to the nearest penny; between 20s. and 40s. to the nearest threepence; and over 40s. to the nearest sixpence. To the retail price a recording fee of sixpence may be added if the prescription is recorded. Where it is necessary to use a container other than the original the price of the container used may also be added.

In preparing the list of preparations to which the formula applies, the Prices Branch required manufacturers to choose whether they would have their products listed as ethicals in the Guild Ethicals List or as general proprietaries in the Proprietary Articles Trade Association list. They could not do both. To avoid embarrassment to the chemist if it should be necessary to show the list to a customer, wholesale prices are not given. The preparation of the list

has involved much work on the part of Guild members, but they will have the satisfaction that the formula will be enforced on Guild and non-Guild pharmacists alike. It may be that in its details the scheme would require modification in this country, but there can hardly be two opinions that some standardised method of pricing dispensed "ethical" proprietaries is needed in this country, and therefore much in the Australian method to recommend it for consideration by chemists in this country.

Medical Economies

THE following appeal for economical prescribing was written by one of the "peripatetic correspondents" of the "Lancet." Unfortunately we have professional brethren who fail to exercise today's necessary care in prescribing and using drugs and the materials of our craft—however enthusiastic they may be over paper salvage and the like. Fortunately they are few. . . . There are those who will not use the National War Formulary and cling to the obsolete National Formulary; thus not only wasting drugs, but man-power also, for pharmacists and N.H.I. officials are put to much needless work by this obstinate refusal to co-operate. There are the reckless prescribers who order a couple of ounces of ointment when half an ounce would suffice or who meet minor maladies with "a couple of aspirins" when one would be adequate (if, indeed, it is the best drug to exhibit). This, mark you, despite the great shortage of ointment bases and the demand on phenols for war needs; but perhaps they do not know that aspirin is made from phenol. Another example is morphine; one hears that the stocks held are fair, but they will not bear squandering; gr. ½ or gr. ¼ will deal with most cases, so why use gr. ½ or gr. ¼. Alcohol and glycerin are scarce and needed for a host of purposes connected with war, yet there are those few who blithely prescribe preparations containing large amounts, just as they did in peace. If their iniquity is pointed out they claim that nothing else will do for this patient, which demands a rude answer—the ruder the better—in ninety-nine cases in a hundred.

ACCURATE-DOSE CAPSULES

After a century of mainly unsuccessful effort towards that end, a recent innovation has made it possible to prepare medicinal gelatin capsules containing uniformly accurate quantities of medicaments. Perfection of a new and revolutionary rotary-die process by Gelatin Products, Ltd., of Windsor, Canada; Slough, England; and Detroit, U.S.A., has enabled this to be done. The company claims that capsules produced by its system produces the most accurate form of oral dosage available.

Die and Die Processes

The former and now old-fashioned method was to make the capsules by a flat-bed "plate process," in which two metal plates containing dies pressed the capsules out of a sheet of sandwich consisting of two thin sheets of gelatin, one below and one above the medicine to be encapsulated. Unfortunately there was no way of keeping the thickness of the "sandwich" at a uniform thickness. Consequently when the die plates were forced together the fluid would flow to the points of least pressure, that is to thin spots in the sheets and away from the edges where there was more pressure. The result was inevitably that capsules varied in size, shape, and quantity of content. Even with careful grading as to size the capsules still varied in the amount of medicine they contained, for the reason that the shells varied in thickness. The variation might be as high as 40 per cent. The plate process was inherently inaccurate, and has been almost entirely superseded by the new rotary die method. The principle of the rotary die process is simple. Two continuous ribbons of gelatin are passed over a pair of die rolls. Placed between the rolls and on top of the gelatin ribbons is an injection wedge which is held firmly in place. From a metering pump which measures exactly the amount of fill for each capsule the content material is forced through tiny holes at the tip of the injection wedge. Pressure of the content material forces the gelatin sheets into the die pockets to form the two halves of the capsules, which are carried forward by the rotation of the die rolls. As the dies meet, the two halves are sealed together and the completed capsule is severed from the two ribbons of gelatin. The temperature of the injection wedge which furnishes heat for the thermo-plastic welding of the two halves of the capsule is extremely sensitive. The metering pump is designed to deliver

the contents of each capsule accurately to within one milligram. Whenever necessary, inert gas is used to protect the medicament from becoming oxidised before capsulation. The gelatin ribbon from which the capsule shell has been cut is free of medication, and hence is suitable for re-use.

Checking the Samples

During the capsulation process samples are taken from each machine and weighed, and the weight of the empty shell is subtracted to give the filling weight. This serves as a check on the accuracy of the machine. In addition, before finished capsules are shipped, samples are taken out for assay by the control laboratory. Other samples are also placed in a control vault, where, with samples of the ingredients of the capsules, they are kept for several years to be periodically examined for possible changes in characteristics brought about by the passage of time.

Other Uses for the Process

Because of its unique advantages, the rotary die process offers constantly widening fields of use. They are now produced in many shapes, sizes and colours, not only for pharmaceutical preparations but also for many others. An example is in the food trade, where capsules of fresh chicken fat in edible gelatin are used to flavour soups. Many other food flavourings, including lemon, can be sealed effectively in the same way. In the cosmetic field, gelatin capsules are providing containers for a variety of articles. Notable among these are individual applications of sun-tan oil which eliminate the need to carry around a bottle. Liquid bath salts, too, are now enclosed in gelatin capsules, the warm water quickly dissolving the gelatin coating when the capsule is dropped into the bath. Gelatin tubes, made by the same process, are convenient and sanitary containers for salves, ointments, and other medicines applied externally. They are also coming into use for face creams, ophthalmic ointments, etc., thus helping, incidentally, to conserve tin.

MEDICAL FILMS SOUGHT.—A record of British medical films is being compiled by the British Council. Any possessor of such a film, of 16 mm. or 35 mm. gauge, not listed in the catalogues of the British Film Institute or of Kodak, Ltd., is asked to write to the Film Department, British Council, 3 Hanover Street, London, W.1.

Across the World in War-time

London Lisbon New York

By Herbert A. Berens, B.A. (Cantab.), F.C.S.

Mr. Berens has recently completed a 70,000-mile business journey during which he saw much of interest to the drug trade. This week he takes his readers from London to New York via Lisbon—capital of Portugal and European terminal city

MY JOURNEY commenced on the afternoon of September 21, 1941, at Paddington. Next morning I was up early and away in an air liner on the first stage of my long trip. After flying out over the broad Atlantic for some hours, at a height of about 12,000 feet, the coast of Portugal suddenly loomed into view and we soon came in over white houses gleaming in the sunlight to land at the Lisbon airport.

A City on Seven Hills

Lisbon, a lovely city built on seven hills on the bank of the wide Tagus, is not the bedlam pictured by war correspondents. The people are quiet and courteous, and although there is a medley of nationalities, the only disturbance, to which, incidentally, no-one pays the slightest attention, is the continuous hoot of motor-car horns. I had to stay in Lisbon for about ten days awaiting the "Clipper." One Sunday morning, however, when I was about thirty miles from Lisbon, I was informed that I had to catch the "Clipper" at 8.30 a.m. Fortunately for me, this was not one of the motorless days, so I was able to arrive in time. Seven hours' flying brought us to

Horta in the Azores, a little town of colour-washed houses. From Horta to Bermuda took sixteen hours and, apart from being pushed up suddenly some 2,000 feet by an air current, the night trip was uneventful. A further seven hours brought us over Long Island to the amazing skyline of Manhattan, and so on to La Guardia airport. New York, the city of perpetual

hustle, was at this time a hive of speculation and prices were soaring. Citric acid, which was quoted by makers at 22 cents per pound, was offered at 85 cents on the open market and was most difficult to obtain. Hexamethylenamine moved up to \$2 and aspirin to \$1.50. Penicillin seemed to make little difference, as orders flowed in for whatever matter what was available. All the world not dominated by the Nazis was clamouring for the products of American industry.

We in this market had something of the stringency of the United States Department of Agriculture specifications. While I was in New York we received a consignment of *Hyoscyamus* testing 0.11 per cent. alkaloids, as against the United States requirement of 0.4 per cent. yet, because the stalk content was over 25 per cent., permission to pass this article could not be obtained in view of the scarcity of the product.



Mr. Herbert A. Berens



Lisbon

Only a change in the specification of the U.S.P. could apparently alter this decision. One cannot obtain a wharf sample in New York as one does here; samples have either to be drawn by individual firms or, if samples are the strict basis of sale, by a recognised analyst—a very expensive procedure. Most business in the drug and chemical markets in New York is on a cash basis, the credit basis on which business is chiefly done here being comparatively rare. Nearly all the business is done in contract, the telephoned acceptance of an order requiring immediate written confirmation. One gets the impression that people seem to trust each other much less in New York than they do here.

Manufacturing Plants

I visited some of the manufacturing plants and was astonished at their productive capacity. I saw tableting machines each stamping out 1,600 tablets per minute, and equipment capable of dealing with six to eight tons per day. In America, as elsewhere, the difficulty in obtaining shipment of crude drugs has stimulated home growing and search for near-substitutes. Important quantities of belladonna, digitalis (both *alba* and *purpurea*), lycopodium, etc., are now available. A type of lemongrass oil is now to be tried out in the South, but it is not thought that the yield will be important. Prices of dry and fluid extracts in America seem to me to bear little relation to the cost and alkaloidal content of the crude drug. For example, ext. hyoscyam. is sold in New York at about \$11 per lb. as against 30s. to 35s. per lb. in this country. Buyers of crude drugs seldom appear to be interested in the actual alkaloidal content provided the drug answers the U.S.P. requirements, even when the drug is to be used for the manufacture of extracts.

ANGED Conditions

I left New York a few days after Pearl Harbour and returned there in February 1942. Already a great change was

noticeable in the markets—speculation was less rampant, ceiling prices were being mentioned and export permits were becoming more difficult to obtain. It was, however, when I returned from Australia in August that the scene had completely changed. The dollar-making rush had changed to a desperate effort to secure whatever business was available. Washington had stepped in and strangled speculation

and many who had regarded the struggle in Europe as an easy means of acquiring fortunes found their dreams turned to nightmares in an often vain endeavour to cut their losses. If Washington had been satisfied in bursting the speculation bubble they would have achieved something of paramount importance but, unfortunately, they at the same time tied business up in miles of red tape—to an extent far in excess of anything that has been done in this country. Armies of officials scoured the country checking prices and profits. Every item on every export order requires a separate export licence



New York

application. Each application has to be on four forms (two of which are different), and each application must show from where and at what price the item is being purchased and at what price it is being sold. There is no rule as to what profit is allowed, each individual application being considered on its merits. A profit of under 10 per cent. may be permitted, but often 3 to 5 per cent. is the limit. If the profit required is too high the licence is refused and a fresh application is necessary. For example, before I left New York on the first occasion, we had an order for India for red phosphorus in cases and at that time we could buy at 75 cents and sell at 85 cents. It was only when I came back from Australia that we eventually obtained a licence. By that time the manufacturers had been forced to reduce their price and we were actually able to buy at 55 cents, but the highest selling price at which we could obtain an export licence was 58 cents. Our buyer in India

was still able to sell at the original price at which he had sold on the basis of our price to him at 88 cents f.o.b. New York, so that he was obviously able to make a large profit, as against the minimum profit on our side.

Brokers in New York take no responsibility for the financial stability of buyer or seller, and invariably (except when specially requested not to do so) disclose the name of their principals. Such methods often imply a moral responsibility when dealing through brokers because if the name of the buyer or seller is that of a

firm with whom one has not previously done business, one feels bound to do all further business through that particular broker. The American Government has adopted a very unusual form of subsidy to encourage export business from Brazil to America. The normal war-risk insurance, Brazil port to New York, was about 20 per cent. when I left America. However, through Government insurance, this risk could be covered at $1\frac{1}{2}$ per cent., a very important facility under present-day conditions.

(To be continued)

A TENANCY PROBLEM SOLVED

WHEN a chemist trades as a limited company, he may, if he does not take special steps in advance to obviate them, be causing difficulties for himself under the Landlord and Tenant Act. Often the lease of the premises is in the name of the company and not in the name of the person principally concerned, and certain legal consequences result from this fact. In most instances, probably in nine cases out of ten, the premises are controlled: that is, the Rent Restrictions Acts apply to them. This does not mean that the company's tenancy is a controlled tenancy, or that the company is in the position of an individual person. A company does not, in fact, enjoy the same measure of protection under the Rent Acts as an ordinary tenant.

Company as Tenant

Two substantial rights are, among others, conferred by the Rent Restriction Acts. First, the rent of the premises is fixed, and may not be increased beyond the maximum amount permitted by the Acts; and second, when the tenancy comes to an end, the tenant is entitled to continue in possession and may not be turned out except on certain specific grounds, which need not be considered here. In the matter of rent, a company is in the same position as an ordinary tenant: no higher rent than the maximum permitted by the Acts may be charged by the landlord. Even if the company has already entered into a lease under which it agreed to pay a rent higher than the amount permitted by the Acts, it is not compelled to pay more than the permitted amount. Moreover, if it has already paid any excess rent, it may recover this within a period of two years. The fact that the company refuses to pay more than the permitted amount of rent does not entitle the landlord to treat the

lease as at an end. Against this, when a tenancy comes to an end, the company does not enjoy any rights whatever, and cannot continue in possession. The result, therefore, is normally that the trader himself has also to go, though he would have been protected against eviction if the lease had been in his own name.

On the other hand, if the lease had been in his name, then, as the company and he himself would be carrying on the trade, neither the company nor the individual could claim any rights under the Landlord and Tenant Act, 1927 (e.g., a new lease or compensation for goodwill). The company could not claim, since it would not be the tenant. The trader could not claim, since he would not be carrying on the business.

Safeguarding Both Company and Trader

There are thus disadvantages when the lease is in the company's name or in the name of the trader who is its principal director. Perhaps the best course to be adopted, though it does not provide absolute security, is for the company to have the lease of the premises in its own name, so that the company would be carrying on the trade at the premises and could thus put forward claims for a new lease or compensation under the Landlord and Tenant Act, 1927. Then the company, having obtained a new lease, should proceed formally to grant the trader an underlease of the residential portion of the premises, which would be occupied as a residence by the trader. When the tenancy ended, the company could not secure a renewal, the trader would at least be protected so far as the residential portion of the premises was concerned and could not, at any rate, be turned out except on the specific restricted grounds mentioned in the Rent Acts.—*Barrister.*

TRADE MARKS

(From "The Trade Marks Journal,"
December, 16, 1942)

NONOXOL"; for industrial chemicals excluding substances to prevent knocking in motor fuels (1). By I.C.I. (Dyestuffs), Ltd., Wexham Road, Slough, Bucks. 619,792 (Associated).

KEENALISER", **"KEENALOT"**, and **"KEENURE"**; for agricultural chemicals other than weed-killers, lime and manures and fertilisers (1). By Carr's Fertilisers, Ltd., 181 Higher Lane, Lymm, Cheshire. 620,940-41-42 (Associated).

HUMUTONE"; for fertilisers and manures (1). By International Toxin Products, Ltd., 5 Chapel Street, Liverpool, 3. 620,973.

(From "The Trade Marks Journal,"
December 23, 1942)

HERMAX"; for waterproofing solutions (1). By Thomas Howse, Ltd., Quinton Works, Blackheath, near Birmingham. 621,090 (Associated).

(From "The Trade Marks Journal,"
December 30, 1942)

DSNO"; for laundry preparations and for soaps (3). By D. Brown & Son, Ltd., Main Street, Donaghmore, co. Tyrone. 617,919.

FALIN"; for pharmaceutical preparations for human use (5). By Westminster Laboratories, Ltd., 5 Chancery Lane, London, W.C.2. 621,044.

vice of two chain links; for mineral waters and beverage preparations (32). By Cumming Parsons, Ltd., Top Lilley Street Works, St. Mary Street, Queen's Road, Manchester, 9. 616,745 (Associated).

APPLICATION AMENDMENT

According to "The Trade Marks Journal," December 30, 1942, specification No. 616,606, by J. & A. Hillman, Ltd., has been amended so as to read "Rubber gloves for medical, surgical and veterinary purposes."

(From "The Trade Marks Journal,"
January 6, 1943)

MINISAL"; for salts for water-softening purposes and for industrial chemicals (1). **"AQUASAL"**; for salts for water-softening purposes (1). By The Middlewich Salt Co., Ltd., Tetton Salt Works, Sandbach Road, Middlewich, Cheshire. 620,903-04.

OLDLEX"; for shaving preparations (3). By W. R. Williams-Crowe, White Ben, South Road, Chorley Wood, Hertfordshire. 620,029.

ALOCOL"; for perfumery and toilet preparations (3). By D. McLeman McIntosh, 13 South Street, Elgin. 620,606.

EDOXILLIN"; for non-medicated toilet preparations (3), and for pharmaceutical preparations and substances (5). By R. Demuth, Ltd., 68 Salusbury Road, London, N.W.6. 620,930-31 (Associated).

"QUILLAX"; for shampoo powder (3). By H. A. Gleim, Crown Court, Newbury, Berkshire. 620,979.

"LARVERT"; for insecticides and veterinary washes for animals (5). By The Hygenol Co., Ltd., 75 Low Road, Hunslet, Leeds. 619,847.

"SOMINOX"; for pharmaceutical substances for analgesic and sedative purposes (5). By G. W. Taylor, 40 Duncombe Street, Walkley, Sheffield. 620,100.

"SEDOTAL"; for sedatives for human and veterinary use (5). By Wolverhampton Chemical Co., Ltd., Two Gates, Maidenhead Court, Maidenhead. 620,266.

"SENTINEL"; for sanitary towels, surgical dressings, sanitary knickers, medical and surgical plasters and sanitary belts (5). By Splendor, Ltd., 5 Beastmarket Hill, Nottingham. 620,511.

"PERSORB"; for pharmaceutical preparations and substances (5). By The British Drug Houses, Ltd., 16-32 Graham Street, City Road, London, N.1. 620,844.

"BIPAP"; for veterinary preparations and substances (5). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, 1. 621,142.

"JARDEX"; for disinfectants (5). By L. T. Edwards, British Disinfectant Works, South Grove, South Tottenham, London, N.15. 621,176.

"MAGNODRATE"; for pharmaceutical preparations and substances (5). By Co-operative Wholesale Society, Ltd., 1 Balloon Street, Manchester. 621,209.

"RUISENOR"; for razors and razor blades for sale in the United Kingdom or for export to the Union of South Africa (8). By A. & H. Bassat (London), Ltd., 52-54 Rosebery Avenue, London, E.C.1. 620,364.

ERRATUM

Wolverhampton Chemical Co., Ltd. No. 620,534. "This Trade Mark should have been advertised as 'Woton.'"

REGISTERED USERS OF REGISTERED TRADE MARKS

Specification No. 616,318 for pharmaceutical, veterinary and sanitary substances, disinfectants and antiseptics, but not including vitamin concentrates for use in medicine and pharmacy and goods of the same description (5); 618,221 for pharmaceutical and veterinary substances, disinfectants and antiseptics, all being amides (5). By The Geigy Pharmaceutical Co., Ltd., National Buildings, Parsonage, Manchester.

You are At Home.—But you can fight the enemy by collecting every bit of waste paper at your business premises and at home and sending it to the Salvage Collection for re-pulping and re-making into munitions.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, January 13

ALTHOUGH stocktaking operations are apparently now concluded, there are few signs of a pending general improvement in demand in the drug and chemical trades. Some dealers, indeed, report a rather better inquiry but, as so many articles are either in short supply or controlled, substantial business is not likely to result. Among PHARMACEUTICAL CHEMICALS little change is recorded. BISMUTH SALTS, as noted last week, have been advanced on account of rising costs of production, the advance being the first all-round increase in these products since 1940. Other pharmaceutical chemicals remain in routine demand, with supplies of restricted items usually reserved for priority buyers.

Crude Drugs

Apart from a rather better inquiry for spot goods to meet immediate consuming requirements, little activity has occurred in this section, but prices are generally firm. Rather more demand is being received for small lots of AGAR for bacteriological use. BALSAM OF PERU is in better inquiry, and TOLU is also wanted, the latter being rather dearer on the week. Business in natural grades of CAMPHOR has been moderate; as noted last week the price of English synthetic has been advanced by sixpence per pound. No improvement is evident in the position of ERGOT, demand for which remains negligible. GUM ACACIA is steady, with business quiet and prices unchanged. A good deal of inquiry has been received for IPECACUANHA, mainly from dealers wishing to replenish their stocks in view of the uncertainty of future supplies. Demand for MENTHOL remains good, spot prices varying according to holders' ideas. MYRRH is in some request. PIMENTO is a few pence cheaper on the week. Demand for RHUBARB continues, and some spot orders have been filled. SEEDS are inactive, with prices of all descriptions unchanged. Little SENEGA is to be had on spot. The market is plentifully supplied with practically all varieties of SENNA. SHELLAC is dull, with prices at previously quoted levels. Quotations for medium grades of TRAGACANTH show no variation on the week.

Essential Oils

Conditions in these markets are again without important change. A moderate inquiry has been received for genuine SHIP ANISE (STAR), but spot supplies are rather difficult to locate. English distillates for CLOVE are without quotation change. EUCALYPTUS remains in good request, but supplies are not plentiful. PEPPERMINT is extremely difficult to obtain on spot, and no further news has been received of possible developments under the Lease-Lend arrangement. There are no changes in existing controlled prices for OILS AND FATS.

Pharmaceutical Chemicals

ACETANILIDE.—Unchanged at 2s. 5d. per lb. for B.P.C. crystals; powder, one penny per lb. extra.

ATROPINE.—Makers' current prices per lb. are as follows: Alkaloid, 35s.; 4 oz., 34s.; 25 oz., 34s.; SULPHATE, 28s.; 4 oz., 27s.; 25 oz., 27s.; METHYL BROMIDE and METHYL NITRATE, 65s.

BISMUTH SALTS.—As noted last week (p. 71) makers' prices have been advanced. The schedules are as follows:—

Salt	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Over 1 cwt.
	s. d.	s. d.	s. d.	s. d.	s. d.
Carbonate ..	11 8	11 2	10 5	9 0	8 0
Citrate ..	14 0	13 6	12 9	11 0	10 0
Nitrate cryst.	8 0	7 6	6 9	6 0	5 0
Oxide ..	15 10	15 4	14 7	12 6	12 0
Salicylate ..	12 3	11 9	11 0	9 6	9 0
Subchloride ..	15 6	15 0	14 3	12 3	12 0
Subgallate ..	14 3	13 9	13 0	11 6	11 0
Subnitrate ..	10 3	9 9	9 0	7 10	7 0

Nitrate and oxide are not available for contract.

BORIC ACID.—Makers' prices per ton are as follows: B.P., granulated, £60 15s.; crystals, £61 15s.; powder, £62 15s. Packed in one-ton bags, delivered carriage paid Great Britain in one-ton lots and upwards.

BROMIDES.—Details of makers' prices were given in the C. & D., January 2, p. 21.

BRUCINE.—ALKALOID is at 1s. 4½d. per lb. in quantities of under 25 oz.; NITRATE OF BRUCINE, one penny per oz. less. A schedule of prices, which were recently advanced, was given last week (p. 48).

CITRATES.—Makers' prices per lb. for POTASSIUM, B.P., in lots of 28 lb.—1 cwt., are as follows (containers in brackets): 3s. 2d. (1-lb.); 3s. 0½d. (4-lb.); 2s. 11½d. (7-lb.); 2s. 11½d. (14-lb.); 2s. 11d. (28-lb.). Prices of SODIUM, B.P., are at one penny below, and IRON and AMMONIUM (SCALES), B.P., at threepence per lb. above these prices. Packages extra.

COCAINE.—British makers' current wholesale prices are as follows: HYDROCHLORIDE and CITRATE, 25 oz. and over, 35s. 8d.; 16 oz. and less than 25 oz., 36s. 10d.; over 8 oz. and less than 16 oz., 38s. per oz. ALKALOID, CITRATE, and SALICYLATE, 25 oz. and over, 39s. 1d.; 16 oz. and less than 25 oz., 40s. 4d.; over 8 oz. and less than 16 oz., 41s. 7d. per oz., 16-oz. packages free, smaller packing extra. The scale of prices applicable to distributors of smaller quantities is as follows: HYDROCHLORIDE and CITRATE, 8 oz., 40s.; 4 oz. and less than 7 oz., 41s. 7d.; 2 oz. and less than 4 oz., 41s. 6d.; 1 oz. and less than 2 oz., 42s. 7d.; ½ oz. and less than 1 oz., 44s. 2d.; ¼ oz. and less than ½ oz., 47s. 3d. per oz. ALKALOID, CITRATE and SALICYLATE, 8 oz., 43s. 5d.; 4 oz. and less than 7 oz., 44s.; 2 oz. and less than 4 oz., 44s. 11d.; 1 oz. and less than 2 oz., 46s. 2d.; ½ oz. and less than 1 oz., 47s. 9d.; ¼ oz. and less than ½ oz., 48s. 10d. per oz., packages extra. Re-sale: sales are subject to buyer's undertaking not to re-sell any quantity below scale current at time of re-sale. Export prices vary according to destination.

ETHERS (METHYLATED).—Makers' prices per lb. for winchester quarts are as follows: 0.750, s. 5½d.; 0.735, 1s. 5½d.; 0.730, 1s. 5½d.; 0.725, 1s. 7½d.; 0.725 (triply rectified), 2s. 0½d.; 0.720, 1s. 8½d.; 0.720 (B.P., not for anaesthesia), s. 10d.

GLYCERIN.—Prices for small lots are as follows: 56-lb. tin, 99s.; 14-lb. tin, 105s. per cwt.; subject to 2½ per cent., twenty-eight days.

HEXAMINE.—Value of free-running crystals would be in the region of 2s. 3d. per lb., in wt. lots.

HOMATROPINE.—Makers' prices per oz. are as follows: ALKALOID, 97s. 6d.; HYDROCHLORIDE, HYDROBROMIDE and SULPHATE, 75s.

IODINE PREPARATIONS.—Prices per lb. quoted by makers are as follows: POTASSIUM, B.P., 12 lb., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. ODIUM, B.P., 28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 11s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P. (powder), 28 lb., 2s. 6d.; 14 lb., 13s.; 7 lb., 15s. 2d.; 4 lb., 16s.; smaller quantities, 16s. 10d.; (cryst.) 28 lb., 4s. 6d.; 14 lb., 15s.; 7 lb., 17s. 2d.; 4 lb., 18s.; smaller quantities, 18s. 10d. IODINE RESUBLIMED, B.P., 112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d. All prices net. Any quantity delivered carriage paid throughout Great Britain.

MAGNESIUM CARBONATE.—HEAVY, from s. 3d. to 1s. 10d. per lb., according to quantity and packing. LIGHT, from 11d. to 1s. 6d. per lb.

MAGNESIUM TRISILICATE.—Makers' prices per lb. in quantities of 28 lb.—1 cwt. are as follows (containers in brackets): 3s. 6d. (1-lb.); 3s. 4½d. (4-lb.); 3s. 3½d. (7-lb.); 3s. 3½d. (14-lb.); 3s. 3d. (28-lb.).

MANDELIC ACID.—Details of new prices for mandelic acid salts were given in the C. & D., January 2, p. 22.

MERCURY IODIDES.—No change has occurred in makers' prices per lb.: RED, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

METHYL SALICYLATE.—Makers' prices steady: Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller lots, in bottles, 2s. 1½d. per lb.

PILOCARPINE.—Makers' prices per oz. are as follows: BASE, 27s.; 4 oz., 26s. 6d.; 25 oz., 26s. HYDROCHLORIDE, 21s. 3d.; 4 oz., 20s. 9d.; 25 oz., 20s. 3d. NITRATE, 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

SALICYLIC ACID (B.P.).—Makers' prices per lb. for lots of 28 lb.—1 cwt. are as follows (containers in brackets): 2s. 5½d. (1-lb.); 2s. 3½d. (4-lb.); 2s. 3½d. (7-lb.); 2s. 3d. (14-lb.); 2s. 2½d. (28-lb.).

SANTONIN.—Home trade prices are unchanged: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the U.K.; 1-kilo packages free.

TANNIC ACID.—In restricted supply at approximately 8s. to 8s. 3d. per lb., according to quantity.

TERPINEOL.—Available for medicinal use at from 3s. 6d. to 4s. per lb., according to quantity.

VANILLIN.—No change has occurred in makers' prices: Ex clove oil or guaiacol, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.; carriage paid in the United Kingdom.

Crude Drugs

AGAR.—Rather more demand has been received for small lots for bacteriological purposes.

ALOES.—Not much interest is being taken in Curaçao, the price of which remains at 450s. per cwt., c.i.f. Cape, firm at 65s. to 67s. 6d. per cwt., according to seller and quality.

ANTIMONY.—No changes have occurred during the week. Supplies are available only for essential purposes at the following prices: English minimum 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude for the home trade, £100 per ton, delivered.

BALSAMS.—Rather more inquiry for Peru, price of which remains at 8s. 6d. per lb. Tolu is also wanted; softish, on spot, 9s. 9d. per lb. Canada, in short supply, 9s. per lb. Copaiba, B.P., is unobtainable.

BELLADONNA.—Indian leaf, afloat, 4s. 9d. per lb.; root, spot supplies small, 470s. per cwt.

BENZON.—More inquiry has been received. Sumatra almondy block, from £18 to £25 per cwt., spot; good seconds £17 to £19, according to holder and quality. Sumatra free "almonds," £32 to £35 per cwt.

BISMUTH METAL.—Price of high-grade metal is unchanged at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—Fair green rounds, in limited compass on spot, 6s. 3d. per lb.

CAMPHOR.—A moderate business is passing in natural grades at previously-mentioned prices. Chinese, B.P., spot, 11s. 6d. per lb.; crude (92 per cent.), 10s.; Japanese slabs, 12s. As noted last week, price of English synthetic, B.P., to approved buyers is higher at 8s. per lb., as a result of increased costs of production.

CARDAMOMS.—Slow and without quotable change. Aleppy green, on spot, 5s. 6d. per lb.; shipment, 5s. 6d. per lb., c.i.f. Aleppy seed, on spot, 6s.; shipment, 6s., c.i.f. Spot value of split seed remains at 5s.

CASCARA.—It is understood that an alteration to the standard for Cascara Sagrada is contemplated.

CHILLIES.—Spot values are steady, as follows: Zanzibar and Mombasa, spot, 125s. per cwt.; Sierra Leone, 120s., all sellers; Sudan, unquoted.

CLOVES.—Buyers of Zanzibar on spot at 1s. 6½d. per lb.; to arrive, 1s. per lb., c.i.f.

COCA BUTTER.—The maximum price fixed by Ministry of Food Order is 1s. 5½d. per lb., ex factory of warehouse, except when sold under licence.

COCONUT (DESICCATED).—The maximum price fixed by the Ministry of Food is unchanged at 49s. per cwt.

DANDELION ROOT.—Limited spot supplies of Indian root may be had at 140s. per cwt.

DIGITALIS LEAVES.—English-grown leaves are unchanged at 2s. 4d. per lb., and good-testing Portuguese may be had on spot at 125s. per cwt.

DRAGON'S BLOOD.—Dull Zanzibar drop may be had on spot at £21 per cwt., and seedy lump at £30. Supplies of re-boiled are exhausted.

ERGOT.—Demand remains small, and prices are unchanged. Spot, old-crop, wormy, 4s. 6d. to 4s. 9d. per lb.; sound, 5s. to 5s. 3d.; new-crop, 5s. 6d. to 5s. 9d.; shipment, Portuguese, 5s. per lb., c.i.f.

GALANGAL.—Spot price remains at between 90s. and 95s. per cwt., according to quantity.

GUM ACACIA.—Market steady; business quiet. Prices are as follows: Kordofan cleaned sorts, spot, 97s. 6d. per cwt.; afloat, 90s., landed terms; shipment, 65s. per cwt., c.i.f. Some bleached may still be had by consuming manufacturers at 145s. per cwt., ex warehouse London.

HENBANE.—Indian afloat, f.a.q., 275s. per cwt., c.i.f.; spot, just under B.P., 3s. to 3s. 3d. per lb.

HONEY.—Current prices for first-hand and wholesale transactions were given in the *C. & D.*, May 9, 1942, p. 527.

IPECACUANHA.—A fair demand continues and prices are firm. Good-testing Matto Grosso spot, 19s. per lb.; Minas, B.P., 15s. 6d. to 16s. per lb., according to seller and test; just under B.P., 14s. to 14s. 6d. per lb., according to test. Current prices for EXT. IPECAC. LIQ., in Winchester quarts, are as follows: B.P., 1914, under three, 26s. per lb.; three and under six, 25s. 6d.; six and under twelve, 25s.; twelve and over, 24s. 6d. per lb. B.P., 1914, under three, 24s. per lb.; three and under six, 23s.; six and under twelve, 23s.; twelve and over, 22s. 6d. per lb., all prices net.

JABORANDI.—Not in much demand. Holders would require 60s. per cwt., ex stock.

JALAP.—Unchanged. Brazilian root, 15s. per cwt. resin, continues to be offered at 95s. per cwt.; other grades are as follows: 16 per cent., 105s.; 19.3 per cent., 130s. per cent., ex warehouse. Mexican root is not available.

KAMALA.—Spot price of 6 per cent. is unchanged at 2s. to 2s. 3d. per lb., according to holder.

LIQUORICE ROOT.—East Indian, spot, 15s. per cwt.

MENTHOL.—Moderate business is passing. Spot price of Chinese varies from 75s. to 80s. per lb., duty paid, according to holders' instructions. Japanese, from 76s. to 80s. per lb.

MERCURY.—Full particulars of current of prices, which range from £68 10s. to £69 10s. per bottle for quantities over 7 lb., were given in the *C. & D.*, August 1, 1942, p. 131.

MYRRH.—In some request, with Aden spot, at £18 to £20 per cwt.

NUTMEGS.—Spot offers remain at 1s. 11d. to 2s. 9d. per lb., according to grade.

NUX VOMICA.—Not in much demand; values steady. Cochin, washed and garbled, 42s. 6d. to 45s. per cwt., according to seller.

ORANGE PEEL.—Bitter quarters remain at 3s. 3d. per lb. on spot. Some dried unripe may be had for pharmaceutical purposes at 1s. per lb., ex warehouse London.

PAPAIN.—Spot, nominal at 17s. 6d. per cwt.

PEPPERS.—Maximum official price of white Muntok, not picked over or cleaned, 8s. per lb., in bond; whole black Lampung of similar grade, 5d. per lb., in bond.

PIMENTO.—Sellers on spot at the red figure of 2s. 3d. per lb.; shipment prices are mentioned.

PODOPHYLLUM ROOT.—*Emodi* (15 per cwt.) is offered on spot at 82s. 6d. per cwt.; at 65s., c.i.f.

PSYLLIUM SEED.—Spot value of Indian seed would be 1s. 3d. per lb.

PYRETHRUM.—Distribution and use are controlled under the Control of Pyrethrum (No. 1) Order, 1942, particulars of which were given in the *C. & D.*, October 31, 1942, p. 454.

QUILLAIA BARK.—Crushed or cut, on spot, steady at 115s. per cwt.; natural, at 80s., c.i.f.

RHUBARB.—Demand remains good and a few orders have been filled. Price of rough-cut varies according to quality and holder in 7s. 6d. to 8s. per lb.

SEEDS.—Business small; prices of all descriptions unchanged. **ANISEED.**—No supplies. **NARY.**—None available. **CARAWAY.**—No supplies. **CORIANDER.**—Indian, 135s. per cwt.; English, quoted at 220s. **CUMIN.**—Ita, 160s.; Indian, 150s. **DILL.**—Spot, quoted at 190s. **FENNEL.**—Indian, 110s. value. **NUGREEK.**—A few bags at 130s. per cwt. **STARD.**—A table of official maximum prices is given in the C. & D., November 28, 1942, 564.

GENEGA.—Remaining stocks would consist of few odd bales at high prices.

GENNA.—Supplies are adequate. Prices are follows: Good hand-picked Tinnevely pods, 1. to 1s. 2d. per lb.; ordinary grade, rod. to 1.1; f.a.q., 6d. to 7½d. Hand-picked Alexandrian pods, 3s. 6d. to 6s. per lb., according to quality. Prices for leaves are as follows: Tinnevely No. 1, 9d. to rod. per lb.; No. 2, 10d. to 7½d.; No. 3, 5½d. to 6d. Alexandrian ken, 1s. 3d. to 1s. 4d. per lb.

HELLAC.—Dull, with prices unchanged. Standard TN orange, 205s. per cwt., value; button, unquoted; fine orange, 240s. to 25s. per cwt. quoted.

QUILL.—Portuguese bulb, on spot, would be 85s. per cwt., and Indian, 75s.

TRAMONIUM LEAVES.—Holders of Indian pods would require 105s. per cwt. for small supplies.

TRAGACANTH.—Quotations for medium grades at the levels given last week: No. 1, white, 5; No. 2, white, £112; No. 3, white, £98; 4, white, £80; pale leaf, £72; amber leaf, 4; dark amber, £55; brown leaf, £45; red-brown leaf, £40; red leaf, from £33; dy and hogg, from £17, ex store.

TURNERIC.—Madras finger, sound, spot, 16d. per cwt.; wormy, spot, 60s.

VALERIAN ROOT.—In small supply. Indian, 1.1, 110s. per cwt., ex store.

WAXES.—**CARNAUBA.**—Fatty grey, 450s. per cwt.; chalky grey, 450s.; Primeira, 545s. 'es'.—Supplies may be had only by application through members of the Association of Merchant Distributors of Beeswax.

Essential and Expressed Oils

ANISE (STAR).—In moderate inquiry. Tins in cases are difficult to find on spot, but drums available at 54s. to 55s. per lb.

BAY.—Spot is quoted on a dull market at approximately 12s. 6d. per lb. Available supplies are not large.

BERGAMOT.—About 100s. per lb. would represent the basic price of any small remaining supplies, but business would be by negotiation. Official substitutes are available from British sources at lower prices.

BOIS DE ROSE.—Spot price is steady at around 42s. per lb.

CAJUPUT.—In small supply and held for approximately 15s. 6d. per lb.

CANANGA.—Spot supplies are restricted; the value would be around 65s. per lb.

CASTOR.—Official quotations are as follows: Firsts, £60; seconds, £58 per ton, naked ex works.

CEDARWOOD.—Any available small spot supplies would be worth from 9s. to 10s. per lb., according to holder.

CINNAMON LEAF.—Quoted steady on a quiet market at from 15s. to 15s. 6d. per lb. for moderate quantities.

CITRONELLA.—In good demand, but with spot supplies poor. Ceylon, from about 19s. per lb.

CLOVE.—English distillers quote at around 14s. per lb.

COTTONSEED.—Price is controlled at £49 per ton, naked ex works.

EUCALYPTUS.—In good request, with supplies not plentiful. Spot, 70 to 75 per cent. cineole content, about 5s. 9d. to 6s. per lb.

GERANIUM.—The price is a matter for negotiation on the basis of about 80s. per lb. for any available supplies.

GINGERGRASS.—May be had on spot in small compass at about 25s. per lb.

PALMAROSA.—Current spot price would be in the region of 32s. 6d. to 35s. for small supplies.

PENNYROYAL.—Good-quality oil may be had on spot at around 35s. per lb.

PEPPERMINT.—Demand remains good, but little is available. Chinese would be worth 91s. 6d. to 92s. 6d. per lb.

PETITGRAIN.—Not a lot is available, but some may be had on spot at from 22s. 6d. to 24s. per lb.

ROSEMARY.—Spot value is unchanged at about 16s. per lb.

SASSAFRAS.—Spot price is unchanged at approximately 19s. per lb.

THYME.—High-quality oil is unchanged on spot at 25s. per lb.; other grades are cheaper.

CONTROL OF COAL-TAR NAPHTHA AND XYLOL.—The Minister of Fuel and Power has made the Control of Coal Tar Naphtha and Xylol Order, 1942 (S. R. & O., 1942, No. 2508, price threepence), which came into force on December 21, 1942. Under the Order delivered prices are fixed for the usual commercial grades of coal-tar naphtha and xylol. Provision has also been made whereby the Minister may, in exceptional circumstances, permit the sale of xylols and naphtha at prices above or below those quoted in the schedules. Applications for licences must be addressed to the Minister of Fuel and Power, Westminster House, Dean Stanley Street, London, S.W.1.

"C. & D." DIARY APPRECIATIONS

It is a most useful publication to us for reference purposes.—Imperial Institute, London, S.W.7.

What an achievement, to get all that into the small size. I wonder whether you will ever go back to as large a *Diary* as the old one?—E. P. (G. Lab., Ltd.), Greenford, Middlesex.

We have received from you *The Chemist and Druggist Diary and Year Book* for 1943, with which we are extremely pleased. It appears to be a most interesting and useful publication.—M. W. H. & Co., Ltd., London, E.C.3.

My best thanks for sending me along *The Chemist and Druggist Diary* for 1943. We shall be very glad to have the information contained in the book and I am sure it will be of assistance to us.—T. Knowles, Ministry of Fuel and Power.

I congratulate you on the production in war-time of a *Chemist and Druggist Diary and Year Book* for 1943 that for editorial value and artistic merit exceeds any previous annual I have received during the past seventy years.—D. H., Weston-super-Mare.

I should like to congratulate you and the staff of THE CHEMIST AND DRUGGIST on the excellent production of this useful *Diary*. Having regard to the difficult times through which we are all passing, I think it is an excellent job and one on which you are to be heartily congratulated.—E. C. W. (P. & C., Ltd.), London, E.1.

Very many thanks for the copy of *The Chemist and Druggist Diary*, which will be most useful to me. It is a good thing it has my name on it as otherwise, with such a favourite book of reference, it might stray away! May I congratulate you on the very nice get-up of it, considering it is the fourth war-time one.—A. H. C. & Co., Ltd., Brighton.

Many thanks for the *Diary* received this morning. This new size is a great improvement and I hope that it will continue in this form after the war. This size of book enables the *Diary* to be kept on the same shelf as the B.P., B.P.C., Martindale and the C. & D. Formularies. Space in the pharmacy is an important consideration and it will be a definite advantage to have the reference books all together.—S. P. W., Lincoln.

I would like to send you a word of warm congratulations on the excellence of your 1943 *Diary*. Despite its rather smaller form—which indeed I personally find attractive—it has all those qualities which have made it so popular a feature of your service for many years; and with some improvements making it still more a necessity. To turn out so excellent a compilation is a very remarkable achievement and I offer you, along with cordial greetings for the New Year, hearty congratulations.—A. W. E. (B.S., Ltd.), London, W.C.1.

MISCELLANEOUS INQUIRIES

Fish Bait Oils.—V. & C.—The odoriferous ingredients of fish bait oils are usually oils of cumin, lavender, anise, or rhodium. The following recipe is taken from "Pharmaceutical Formulas," Vol. II:—

Benzoin	1 oz.
Olive oil	12 oz.

Powder the benzoin and macerate with the oil for a day after a preliminary heating on the water bath, then strain and add

Oil of rhodium	$\frac{1}{2}$ dr.
Oil of patchouli	6 M
Green oil	1 $\frac{1}{2}$ oz.

Stove Polish.—T. M.—The basis of stove polishes, whether liquid or paste, is usually graphite. The following recipes are taken from "Pharmaceutical Formulas," Vol. II

1. Graphite	2 parts
Bone black	2 parts
Ferrous sulphate	4 parts

Mix with sufficient water to form a cream

2. Oil of turpentine	128 oz.
Blacklead	26 oz.
Resin	4 oz.
Bone black	1 oz.
Oil-soluble black	1 oz.

Dissolve the dye and the resin in the oil of turpentine. Rub up the bone black with some of this, then add the blacklead.

Hair Cream Rinse.—J. M. S.—A product of the type you have in mind could be made with either of the following formulae, though No. 2 is rather yellowish in color. As you will no doubt appreciate, many of the substances mentioned are difficult to obtain in these days.

1. Cetyl alcohol	5.0
White beeswax	2.0
Sodium lauryl sulphate	2.0
Cellulose gel 4 per cent.	5.0
Liquid paraffin	5.0
Parahydroxybenzoic acid	0.1
Distilled water	25.0

Liquefy, and add, at approximately the same temperature:—

Borax	1.0
Distilled water	25.0

Stir until cold and add perfume as required.

2. Sodium lauryl sulphate	1.5
Cetyl alcohol	3.0
Liquid paraffin	2.0
Wool wax	0.5
Parahydroxybenzoic acid	0.1
Distilled water	50.0
Perfume	a sufficient

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Kathiolan is manufactured in England to Marcussens original formula and issued in two packings only, viz.:—

Tins of 200g.

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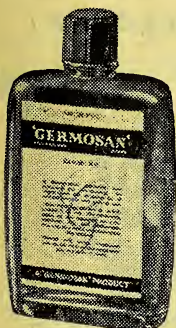
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A concentrated, non-poisonous germicide; containing Chloroxylenol 3% and Phellandrene 5%, R.W. coefficient 3. Miscible with water, pleasant and safe to use. Effective and reliable for all medical, surgical and general antiseptic purposes.

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A non-greasy antiseptic cream containing the active principles of 'Germosan' and the healing agent Allantoin. Valuable against all forms of infection and, in addition to its antiseptic properties, exerts a healing effect on inflamed and damaged tissue. For cuts, abrasions, minor wounds, etc.

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GENATOSAN LIMITED, LOUGHBOROUGH

GENUINE HAARLEM OIL (DUTCH DROPS)

1 DOZEN LOTS
3/6 doz.

1 GROSS LOTS
36/- per gross
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BOXES CONTAINING
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1 dozen boxes 8/6 doz.
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8-oz. tins
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A
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9/3 & 18/6 doz.



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Simpkin's

IODISED
SORE THROAT TABLETS

Owing to call up of the majority of clerical staff we ask for cheque with order within 7 days for

6 lb. at 3/4 per lb. . .	£1 0 0
Purchase Tax . . .	3 4
1 tin returnable . . .	1 0
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Barley Sugar can also be sent at the same time but transfer form for multiples of 80 points must accompany the additional amount for

5 lb. at 2/1 per lb. . .	10 5
1 tin . . .	1 0
	11 5

to **A. L. SIMPKIN & CO. LTD.**
Pharmaceutical Laboratories, Sheffield, 6

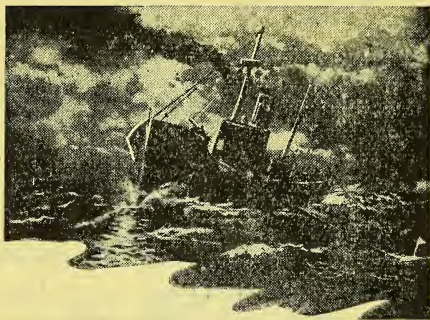
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THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained. THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

		CHEMISTS' PRICE						
		Retail Price	Per unit			Per dozen		
		(Inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
ANTIPEOL								
MENTMENT	4 oz. tube	6/8½	4/2½	+	8½	50/5	+	8/5
	40 gr. „	3/4½	2/1½	+	4½	25/3	+	4/3
	20 gr. „	1/10½	1/2	+	2½	14/-	+	2/4
QUID	40 c.c. bottle	3/4½	2/1½	+	4½	25/3	+	4/3
PHTHALMO-ANTIPEOL								
gr. Nozzled tube	.. .. .	3/4½	2/1½	+	4½	25/3	+	4/3
HINO-ANTIPEOL								
gr. Nozzled tube	.. .. .	2/9½	1/9	+	3½	21/-	+	3/6
INTEROFAGOS (ORAL AND INJECTABLE)								
Box of 50 ampoules	.. .. .	19/-	13/3½		None	159/7		None
„ 10 „	.. .. .	4/3	3/-		None	35/8		None
„ 5 „	.. .. .	2/6	1/9		None	21/-		None
ETENSYL								
Box of 500 tablets	.. .. .	39/-	24/-	+	4/-	288/-	+	48/-
Box of 50 „	.. .. .	4/5½	2/8½	+	5½	32/4	+	5/5
T. JAMES' BALM								
Box of approx. 2½ ozs.	2/10	1/11	+	4	22/6	+	3/9
„ „ 1 oz.	1/5	11	+	2	11/3	+	1/11
Box	1/2	9	+	2	9/-	+	1/6

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Defended . . .



Defence in depth is major strategy in modern defensive warfare. The outposts of defence lie well beyond the shores of this island citadel. Similarly modern medicine's defence against the insidious attacks of pathogenic organisms has many facets. Notable among these is maintenance of the barriers against systemic infiltration of germs through the nasal mucosa.

Decongestion of the turbid nasal mucosa in acute and chronic rhinitis, hay-fever, and sinusitis is rapidly effected by use of the Karsodrine Inhaler. Maximal shrinkage with corresponding symptomatic relief is obtained within five minutes. The powerful volatile vaso-constrictor in the Inhaler penetrates to the uttermost recesses of the nasal cavity and sinuses, securing optimal drainage and aeration. With only one cap to remove, the Karsodrine Inhaler is preeminently simple to use.

Retail Price 1/6 (Inc. Tax)



FORMULA: Amphetamine, 0.330 grm.; Cineole, 0.093 grm.; Ol. Citronell, 0.026 grm.; Methyl Salicyl, 0.023 grm.; Ol. Cedri, 0.005 grm.; Menthol, 0.049 grm.; Ol. Eucalypt, 0.089 grm.

Apart from its assured efficacy the Karsodrine Inhaler is an excellent financial proposition. The Retail Price is 1/6d. (inc. tax) which yields 3/2½d. per dozen profit. This applies equally to small quantities if ordered with other "Griffiths Hughes" products.

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LIMITED**

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A PRODUCT OF E. G. LABORATORIES



NEW "GIANT" SIZE De Witt's Antacid Powder

The "Control of Tins" Order compels us to use a 10 ozs. avoirdupois (20 fluid ounces) canister, instead of the 7½ ozs. (2/6) size.

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Stocks of the 7½ ozs. (2/6 size) canisters are exhausted. This size has been replaced by a 10 ozs. GIANT size, which retails at the proportionately higher consumer price of 3/4 (P.A.T.) plus Tax 5d. Consumer prices for De Witt's Antacid Powder are now:

1/6 size (unchanged)
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3/4 size (Giant pack)
3/4 plus Tax 5d.

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This wonderful Medical Restorative BRINGS IMMEDIATE RELIEF IN ALL CASES OF NERVE STRAIN, DEPRESSION, TIRED and LISTLESS APPEARANCE, MENTAL and PHYSICAL EXHAUSTION

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PRICES (including purchase tax)
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and Bow to our Friends**

of the many letters
of appreciation

Jan. 11th,

Dear Sirs,

I thank you for your letter re —
kindly send this in as quoted.

Many thanks also for your recent
delivery of —. Your ready service
and keen prices are much appreciated
by the private chemist, especially when
in close competition with the multiple
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to fend for themselves.

Yours faithfully,

Signed E.B. — M.P.S., Cheshire

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OXO LABORATORY PREPARATIONS

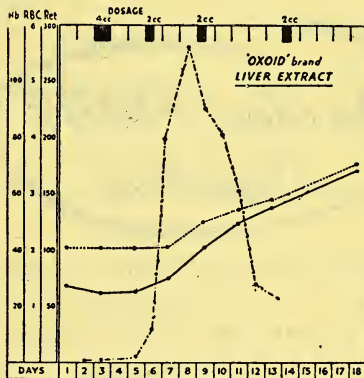
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FOR INJECTION (I.M.)**

A highly potent preparation for the treatment of
pernicious anæmia.

Dosage in emergency cases is 4 c.c. initial dose,
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week and 2 c.c. at weekly intervals subsequently.
This will usually raise the blood count to normal in a
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Maintenance dose: 2 c.c. monthly.



KEY TO GRAPH

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Ampoules: 6 (6/6); 12 (12/6); 50 (48/-); 100 (92/-)

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GOOD DEMAND

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For Coughs, Colds, Bronchitis, etc. 1/3 and 3/- glass tubes. Also 6/- Carton of 12 Packets, retailing at 6d. each.

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For Cuts, Burns, Bruises, Chilblains, and all skin irritations.

Price 1/3 per tin.

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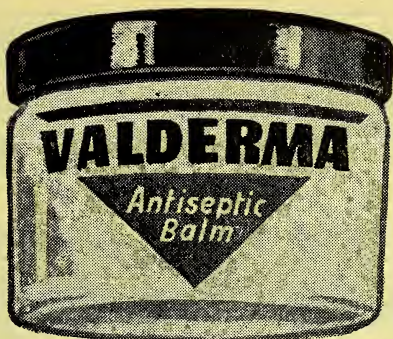
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THE ACTON PILL & TABLET Co. L
ASH VALE, SURREY,
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AN ANNOUNCEMENT CONCERNING PEROX-CHLOR OF IMPORTANCE TO CHEMISTS

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SIZE
ONLY**

**Retail
2/-
including
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A really up-to-date antiseptic ointment. Tested and approved by leading Dermatologists. Contains non-irritating antiseptic in a modern *emulsified* base.

Comparative tests by the U.S.A. 'Agar-Plate' method show germicidal qualities far superior to Carbolic Ointment, Boric Ointment and others,

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White, agreeable to use, soothing. Won't stain linen. Invisible on skin. Recommended for pyogenic infections of the skin—impetigo, barber's rash, etc. For spots, minor cuts and wounds, common skin troubles.

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**EVERY PERSON ENTERING
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GRANTO LABORATORIES LTD., (Dept. C.D.), 128 MORTLAKE ROAD, KUNLIMITED SUPPLIES
RETAILED AT**2/3, 4/2, 6/8**

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Your recommendation can be both a power for
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Most chemists and pharmacists well know that the underlying cause of most Rundown, Nervous conditions and Deficiency diseases is Mineral and Vitamin deficiency.

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HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLET FOR
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per-Luxe Sanitary Towels, Loop Ends, quality
surpassed, 8 in., 12/- doz. pkts. of 10's, 10 in.,
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This Supplement is inserted in every copy of the Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JANUARY 16
1943

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All classified advertisements must be prepaid—those not accompanied by remittance will be held over pending payment. Advertisements received after FIRST POST WEDNESDAY of week of issue will not be inserted until the following week.

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